

## Supplementary file 1 - S1

This supplementary file contains the growth responses and predicted growth/no growth interfaces for the 188 *Escherichia coli* strains. The results from the purposeful selection approach used to select the significant variables for the logistic regression is shown for each strain. The results are organized as follows:

- The first table contains the parameters estimates and the respective standard error, z value, p value, confidence interval (2.50% and 97.50% intervals), odd value and confidence interval for the odd value (2.50% and 97.50% intervals).
- The second table contains the anova analysis containing the degrees-of-freedom, the deviance, the residual degrees-of-freedom, the residual deviance and the p-values (using a chi-squared test).
- The third table contains the values for the Akaike information criterion (AIC), the likelihood ratio and the log-likelihood.
- The first figure depicts statistical plots: residual versus fitted, normal Q-Q, scale-location and residuals versus leverage.
- The second and third pictures depict the growth responses and the predicted probability lines (10, 50 and 90%) for 0 mM and 25 mM of lactic acid (LA), respectively, according to temperature and pH. For strains, which the logistic regression results did not select both pH and temperature as significant variables, the results are shown as the *p* probability of growth according to pH, i.e., *E. coli* EC16. Followed by the growth responses according to pH and temperature without the predicted probability lines.

Legend for the growth responses:

- + no growth occurred in all the replicates
- ▽ growth occurred in some of the replicates the % of repetitions that grew are shown
- growth occurred in all the replicates

Legend for the predicted probability lines:

- ..... 10 % growth probability
- 50% growth probability
- 90% growth probability

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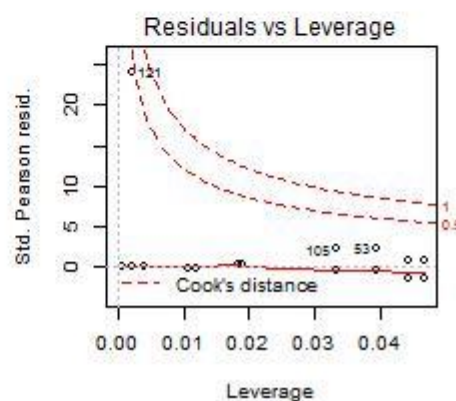
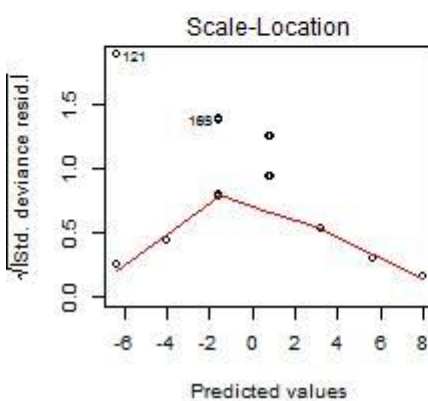
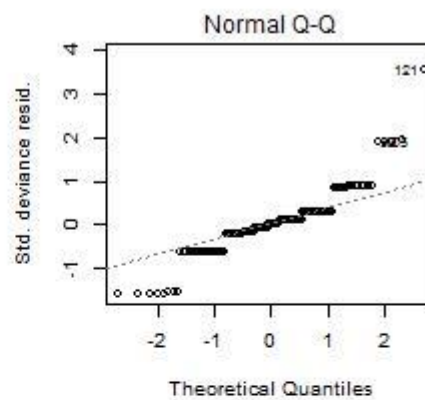
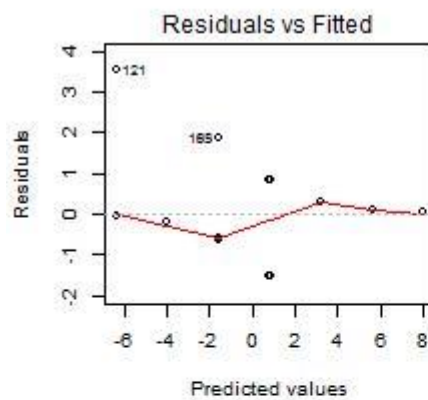


# 1. *E.coli* O29:NM strain ATCC43892

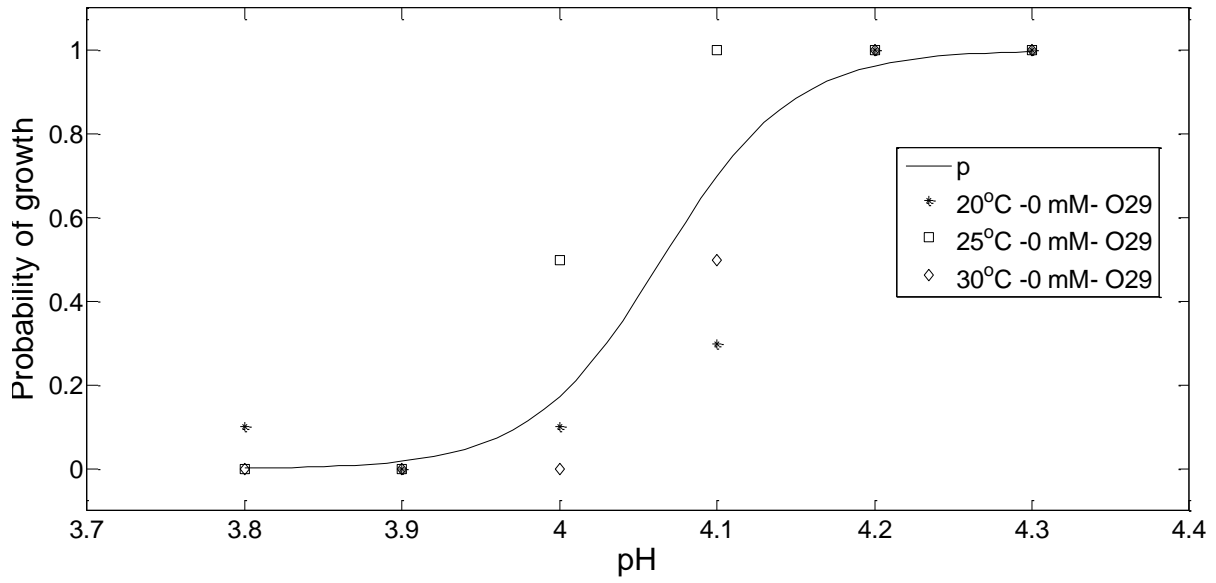
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-97.70	16.65	-5.87	0.00	-135.58	-69.58	0.00	0.00	0.00
pH	24.03	4.10	5.86	0.00	17.10	33.37	2.74E+10	2.68E+07	3.10E+14
LA	-0.39	0.07	-5.36	0.00	-0.55	-0.26	0.68	0.58	0.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL				155	216.03
pH	1	67.69	154	148.34	0.00
LA	1	78.67	153	69.67	0.00

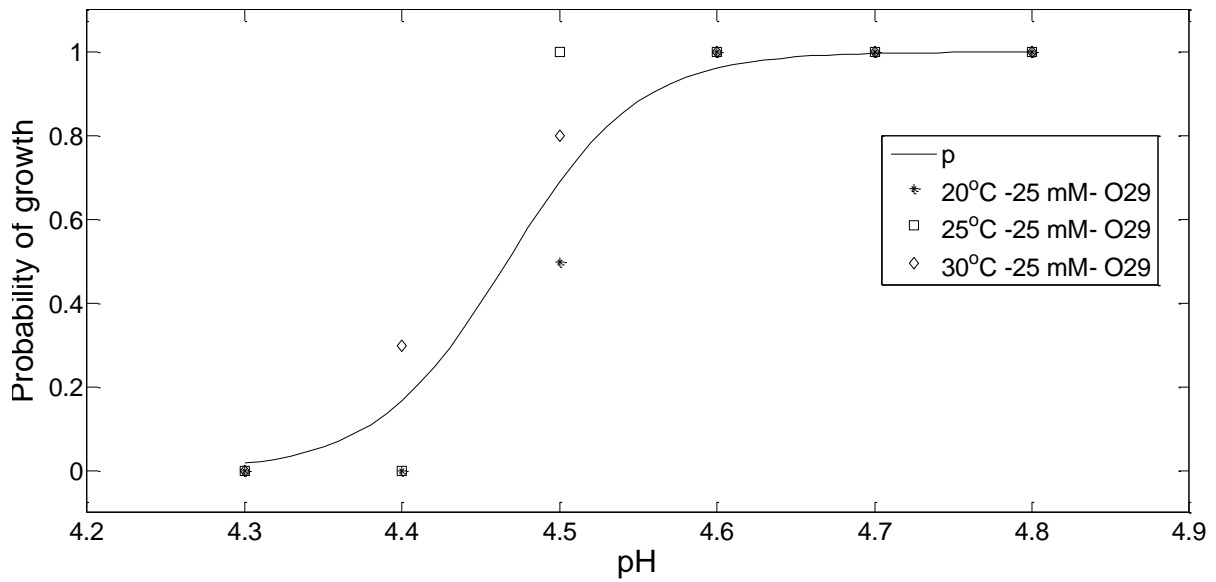
AIC	75.67
Likelihood Ratio	1.66E-32
Log-Likelihood	-34.84



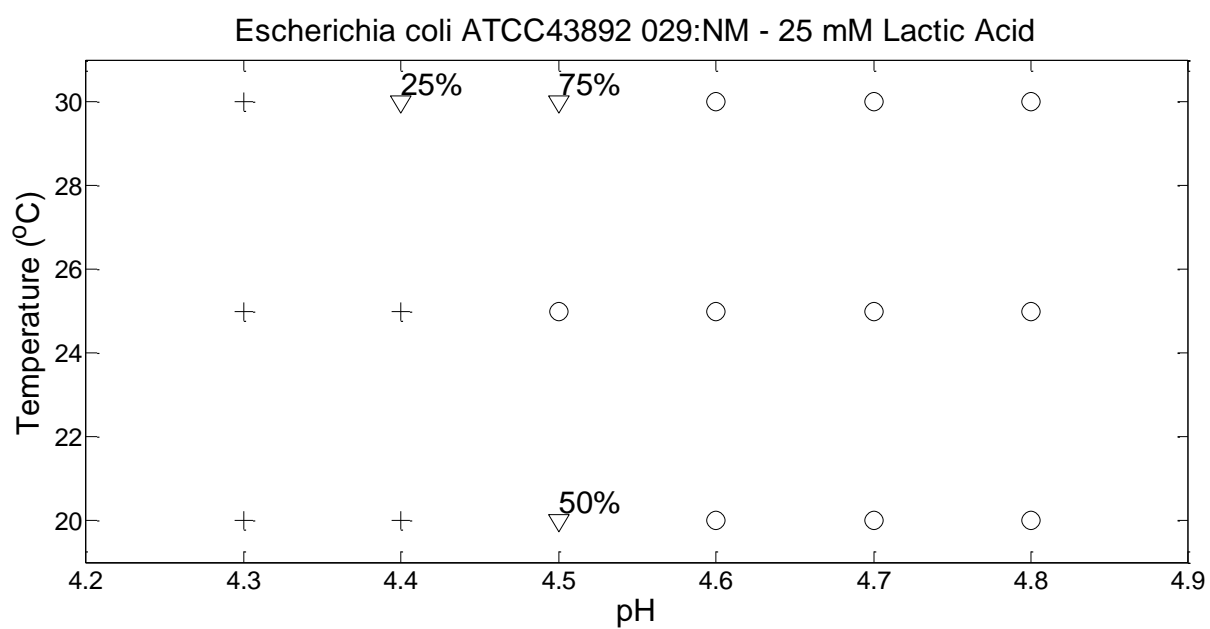
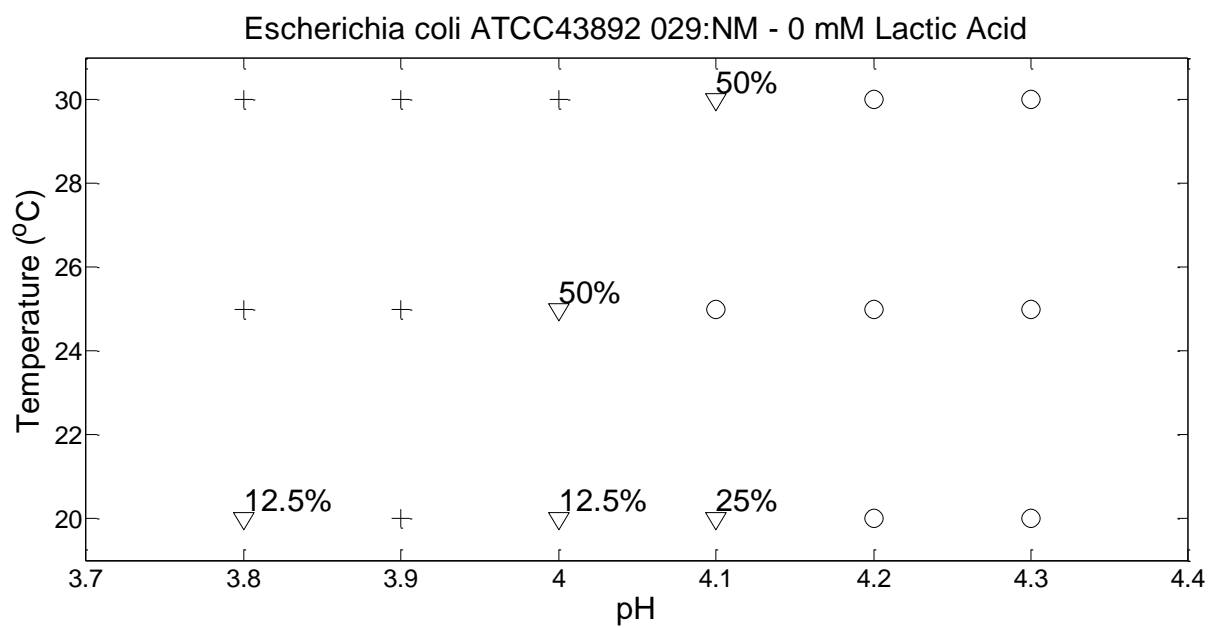
Escherichia coli ATCC43892 O29:NM - 0 mM Lactic Acid



Escherichia coli ATCC43892 O29:NM - 25 mM Lactic Acid







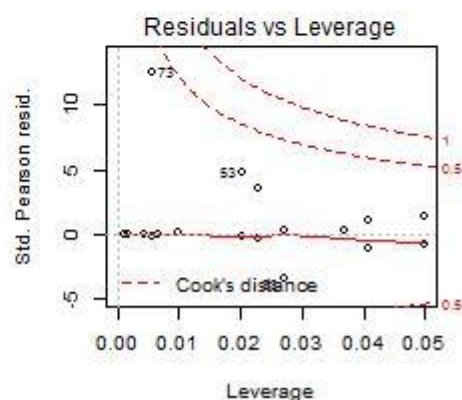
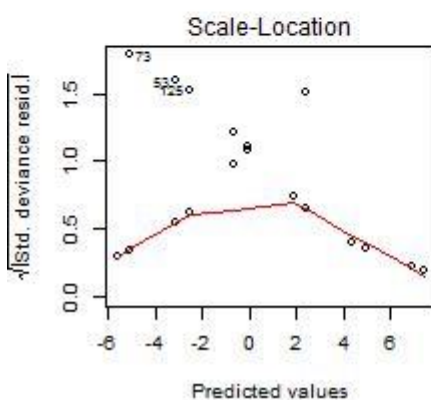
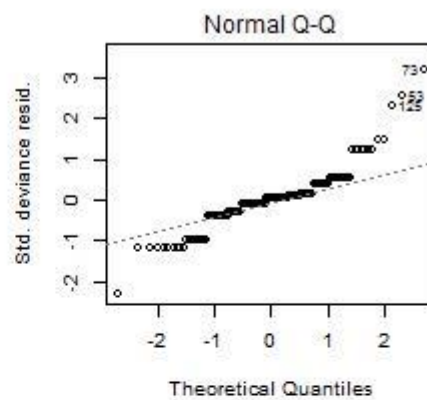
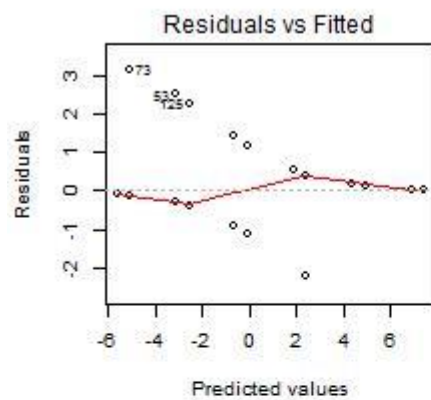


## 2. *E.coli* O55:B5:Hmin strain ATCC12014

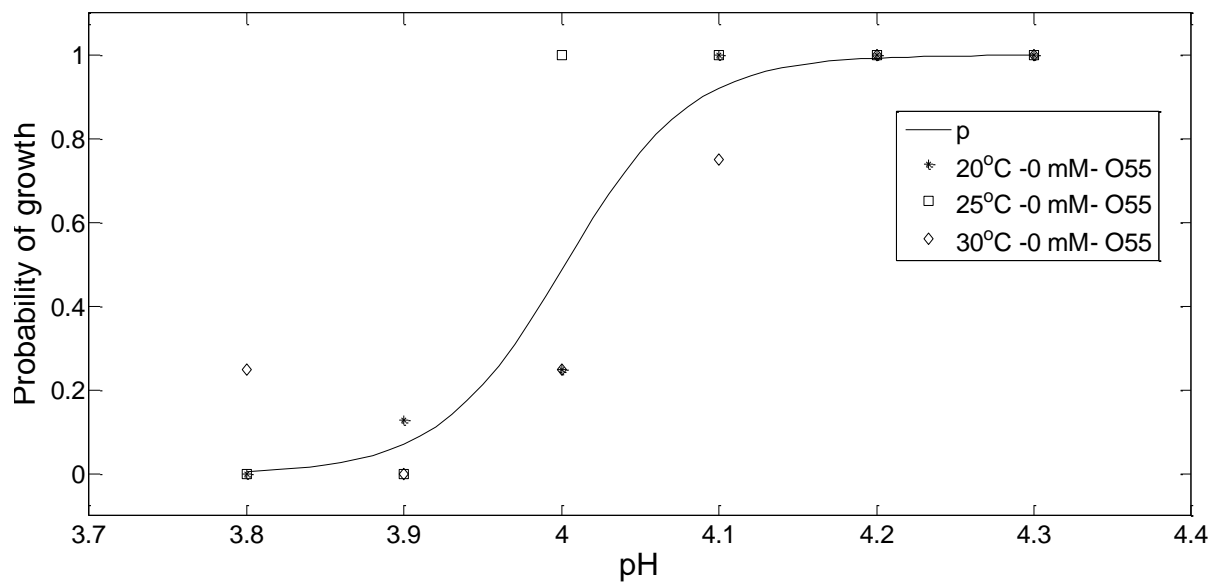
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-100.22	17.55	-5.71	0.00	-141.15	-70.97	0.00	0.00	0.00
pH	25.04	4.39	5.70	0.00	17.73	35.28	7.50E+10	4.99E+07	2.10E+15
LA	-0.52	0.10	-5.47	0.00	-0.74	-0.36	0.59	0.48	0.70

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.62	
pH	1	35.19	154	180.43	0.00
LA	1	109.55	153	70.88	0.00

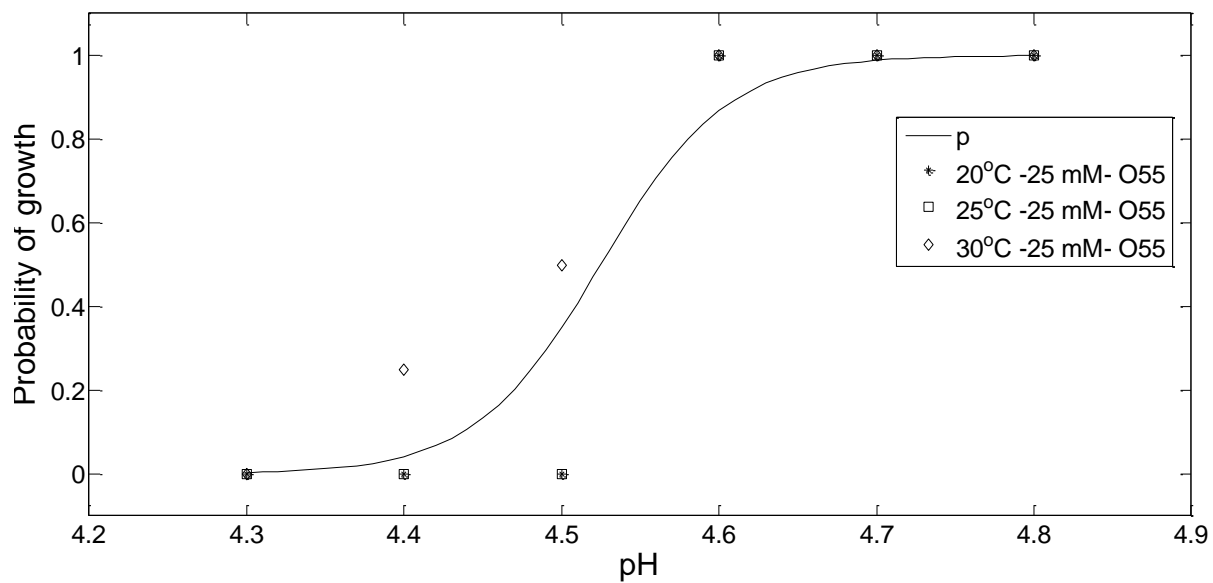
<b>AIC</b>	76.88
<b>Likelihood Ratio</b>	3.71E-32
<b>Log-Likelihood</b>	-35.44



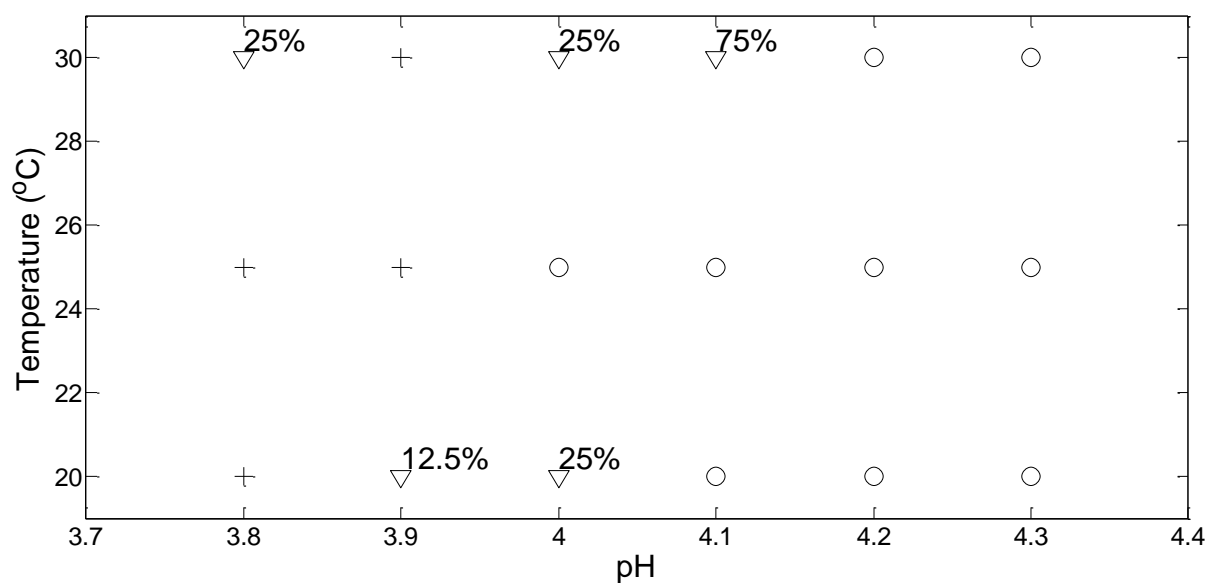
Escherichia coli ATCC12014 055:B5:Hmin - 0 mM Lactic Acid



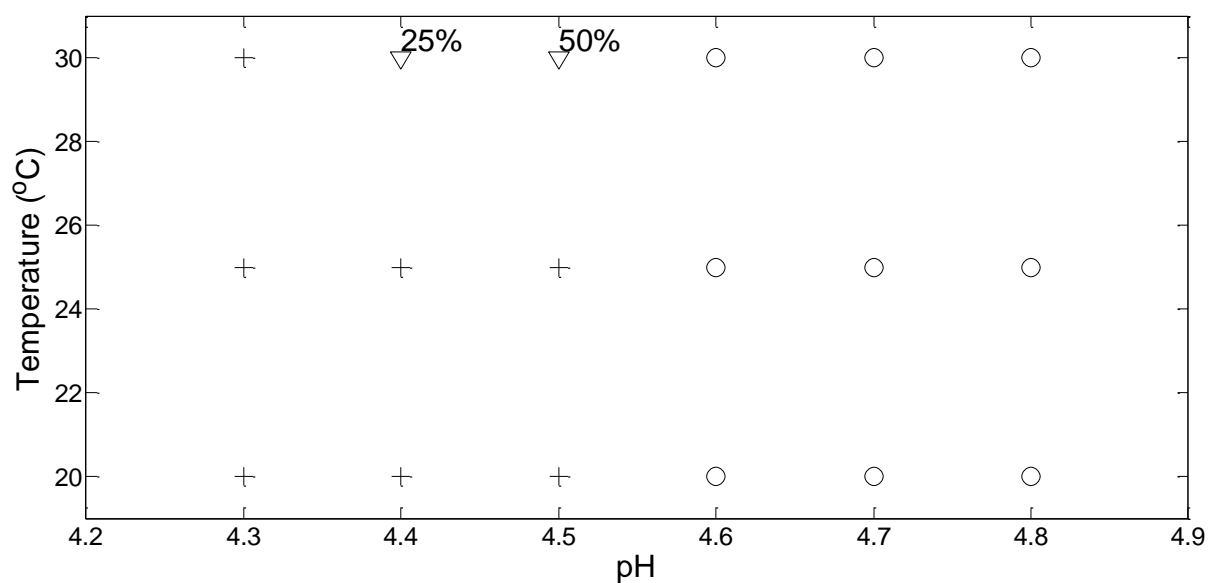
Escherichia coli ATCC12014 055:B5:Hmin - 25 mM Lactic Acid



Escherichia coli ATCC12014 055:B5:Hmin - 0 mM Lactic Acid



Escherichia coli ATCC12014 055:B5:Hmin - 25 mM Lactic Acid



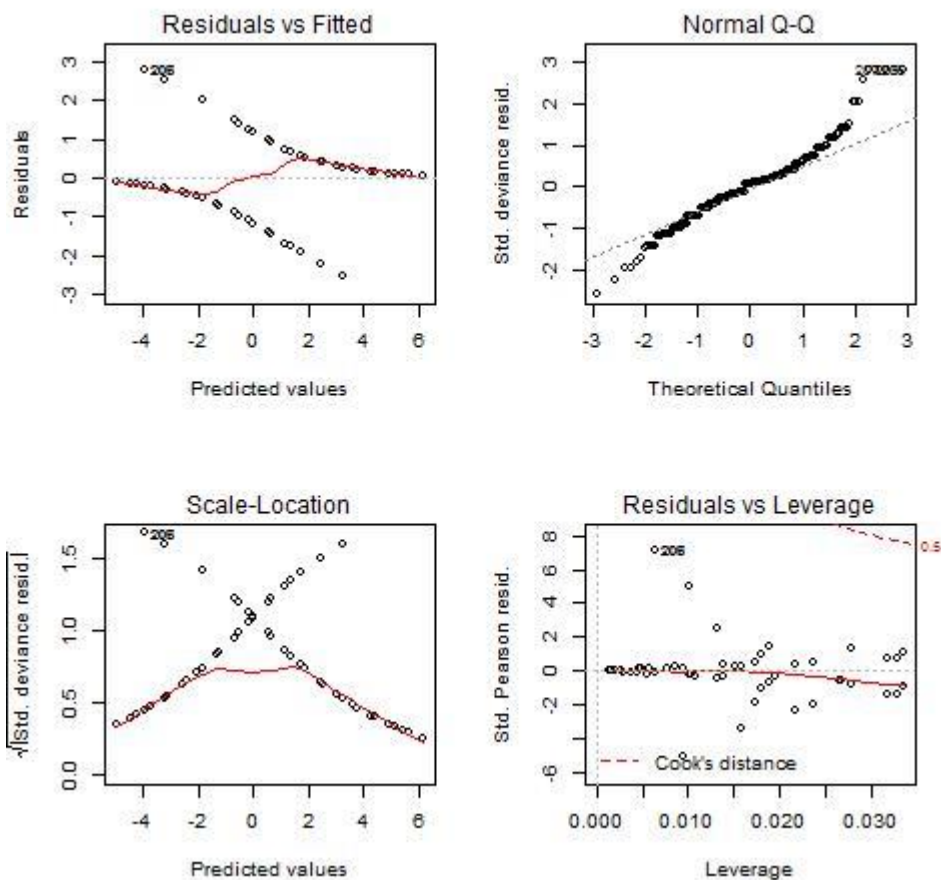


### 3. *E.coli* O157:H7 strain ATCC43888

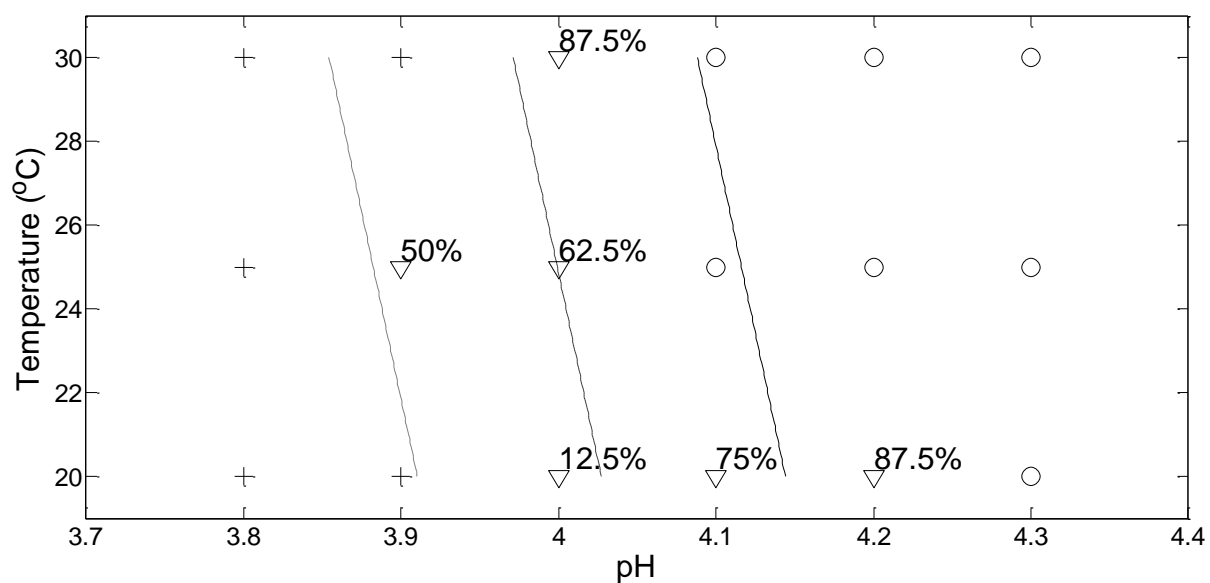
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-77.79	8.83	-8.81	0.00	-96.84	-62.01	0.00	0.00	0.00
pH	18.79	2.13	8.83	0.00	14.99	23.39	1.45E+08	3.24E+06	1.44E+10
Temp	0.11	0.05	2.19	0.03	0.01	0.20	1.11	1.01	1.22
LA	-0.40	0.05	-8.31	0.00	-0.51	-0.32	0.67	0.60	0.73

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			299	414.27	
pH	1	51.34	298	362.93	0.00
Temp	1	2.55	297	360.39	0.11
LA	1	187.31	296	173.08	0.00

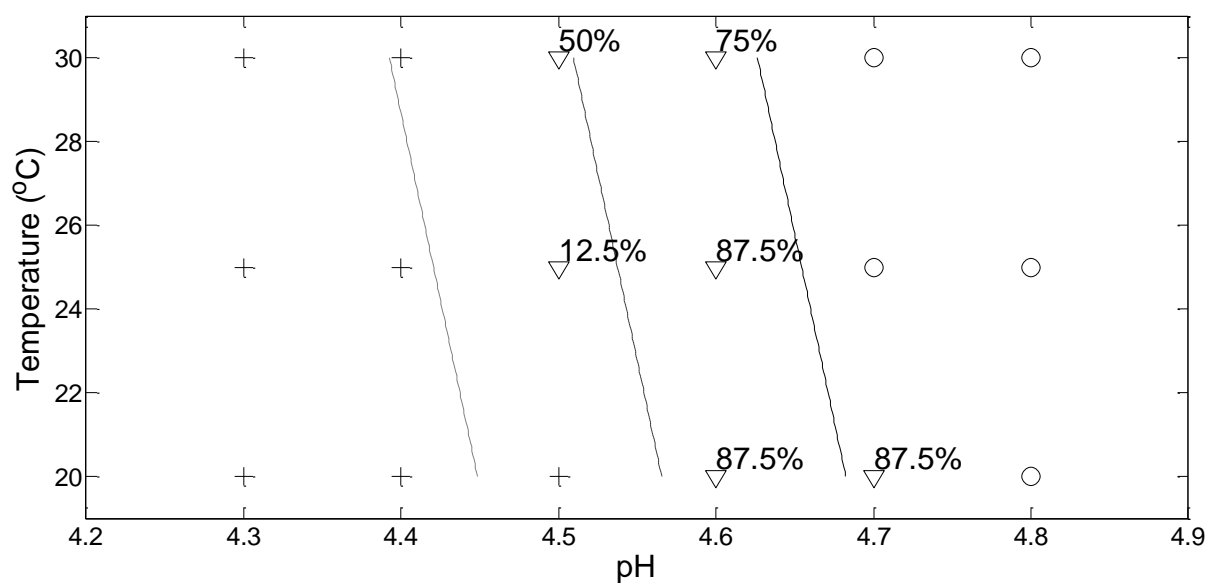
<b>AIC</b>	181.08
<b>Likelihood Ratio</b>	5.25E-52
<b>Log-Likelihood</b>	-86.54



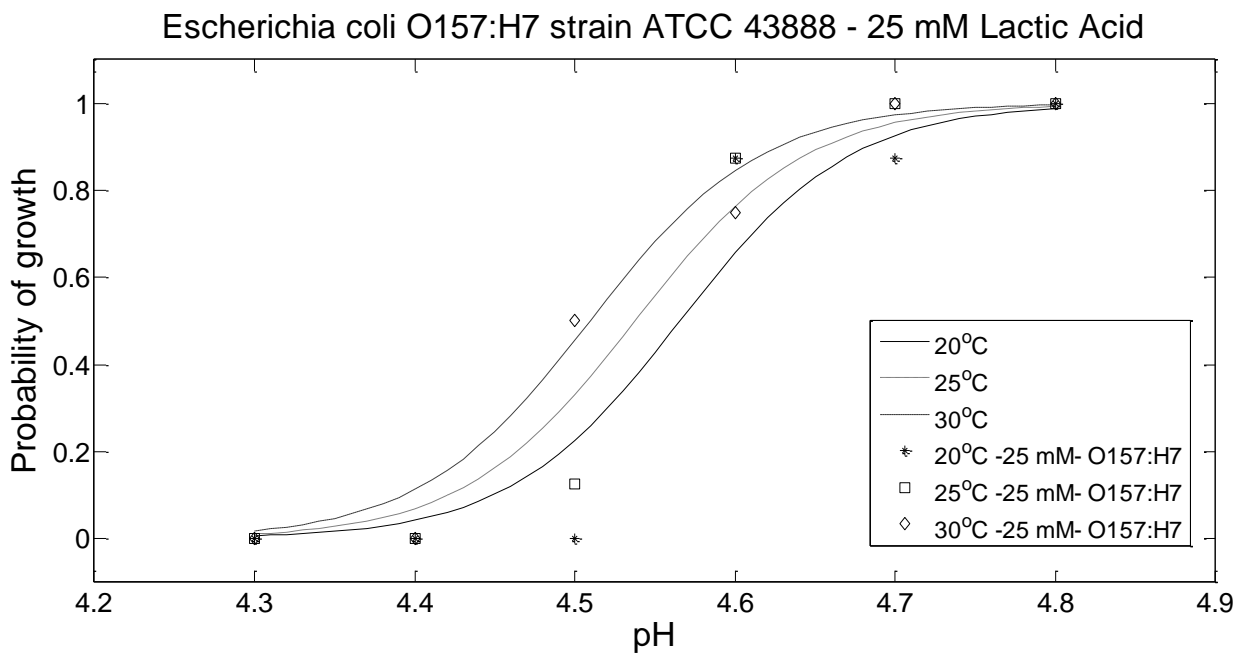
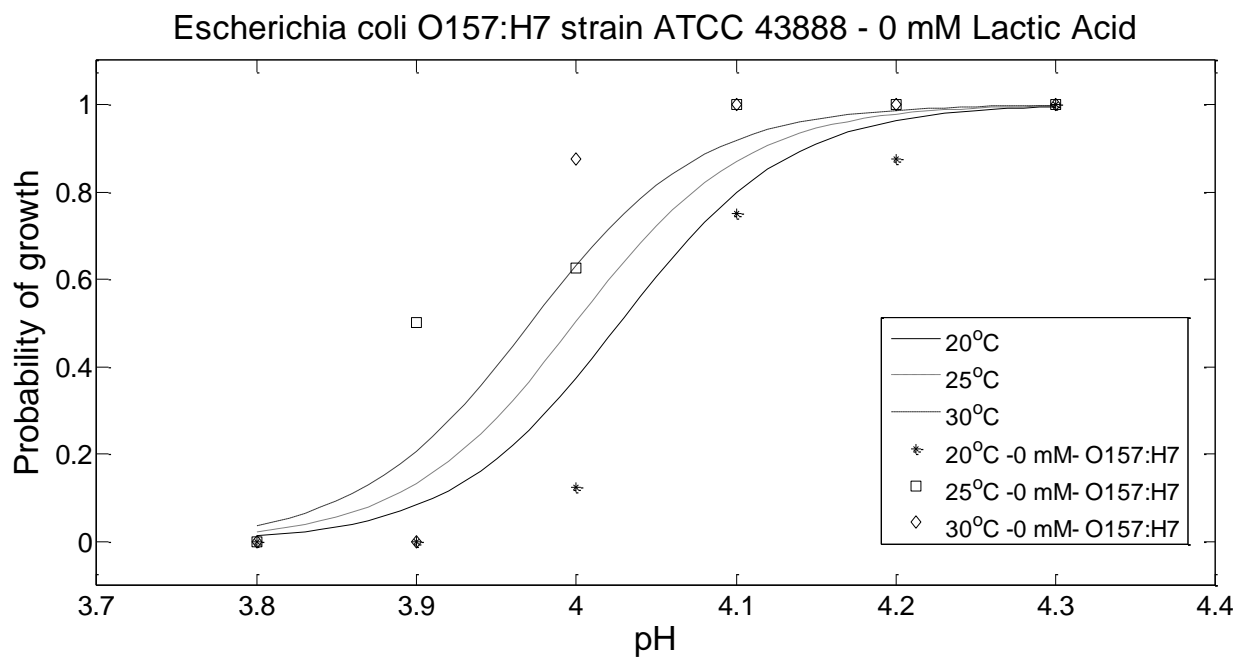
Escherichia coli ATCC43888 0157:H7 - 0 mM Lactic Acid



Escherichia coli ATCC43888 0157:H7 - 25 mM Lactic Acid







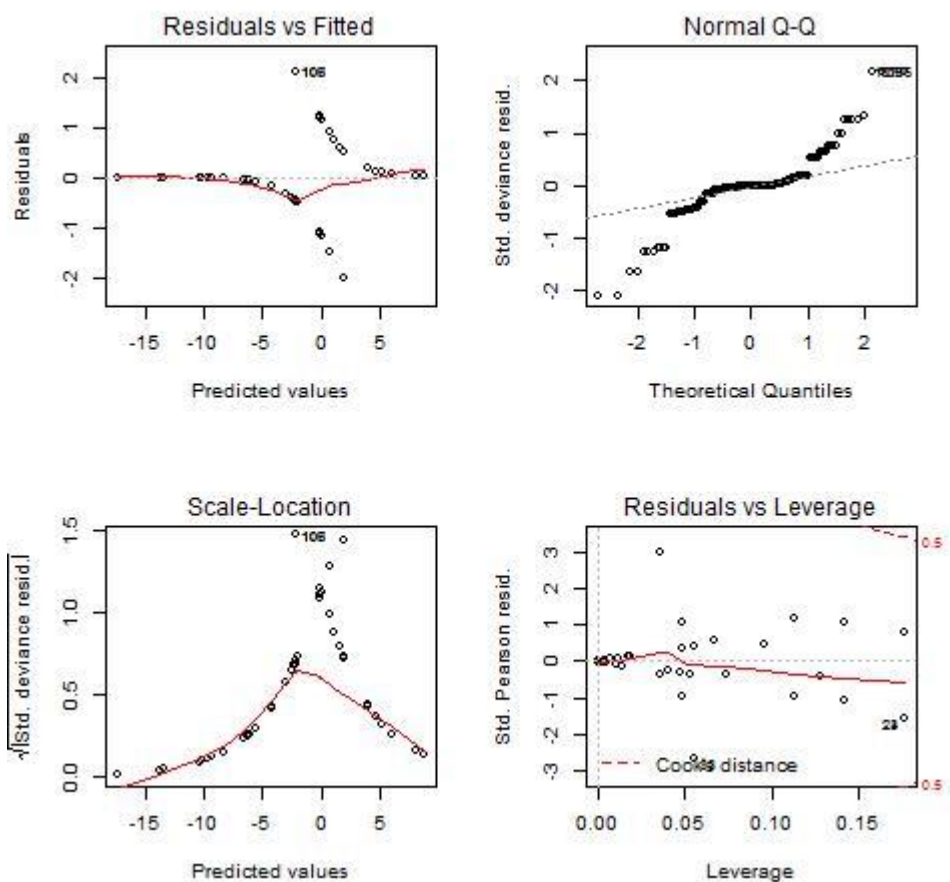


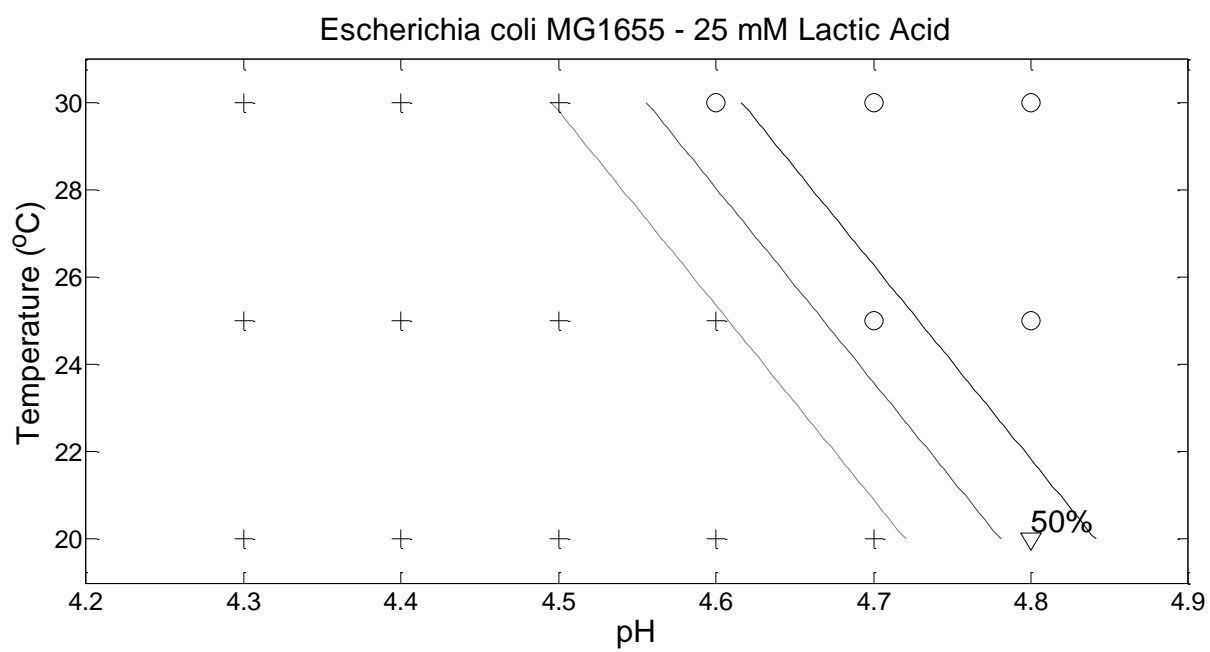
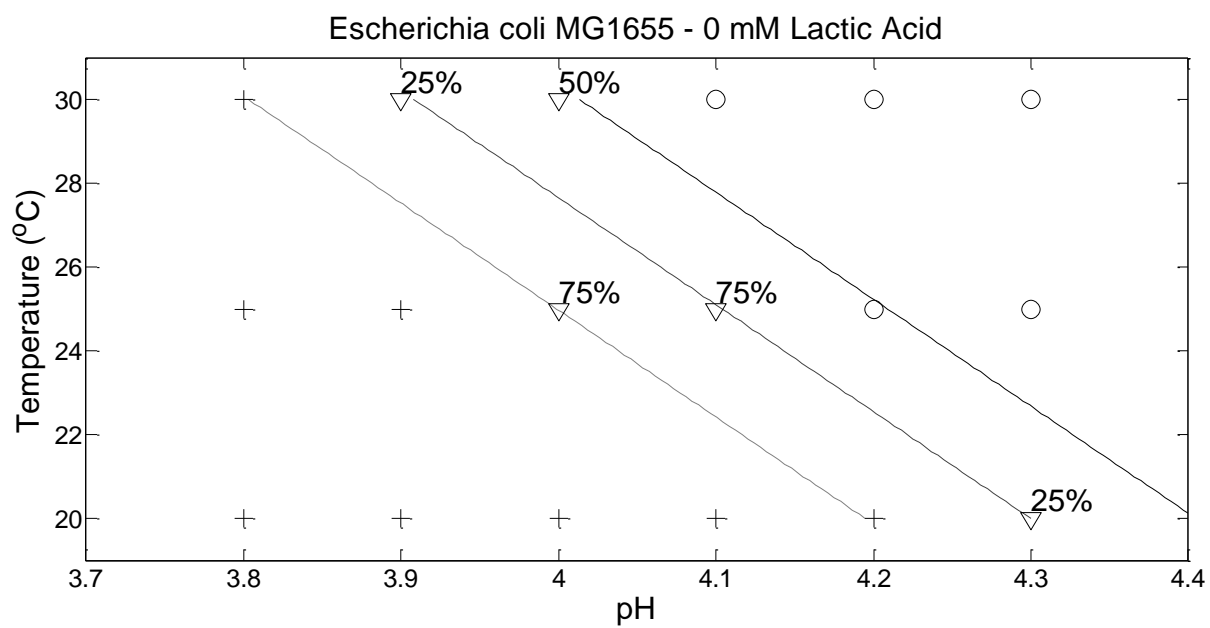
#### 4. *E.coli* MG1655

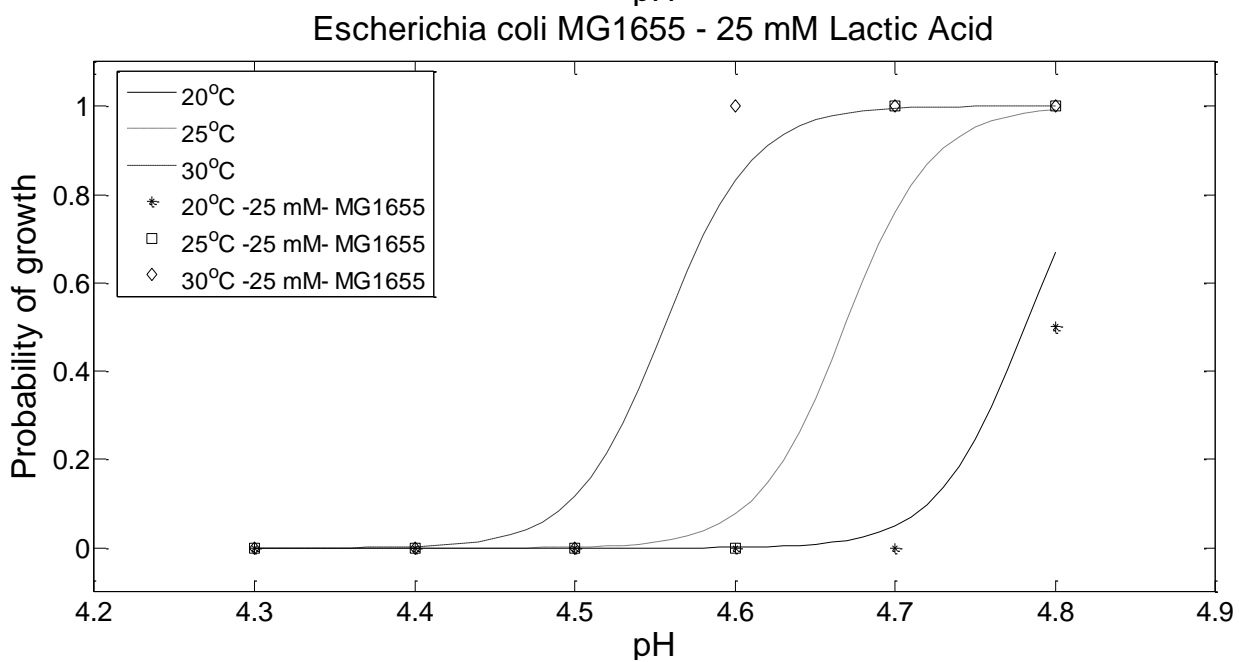
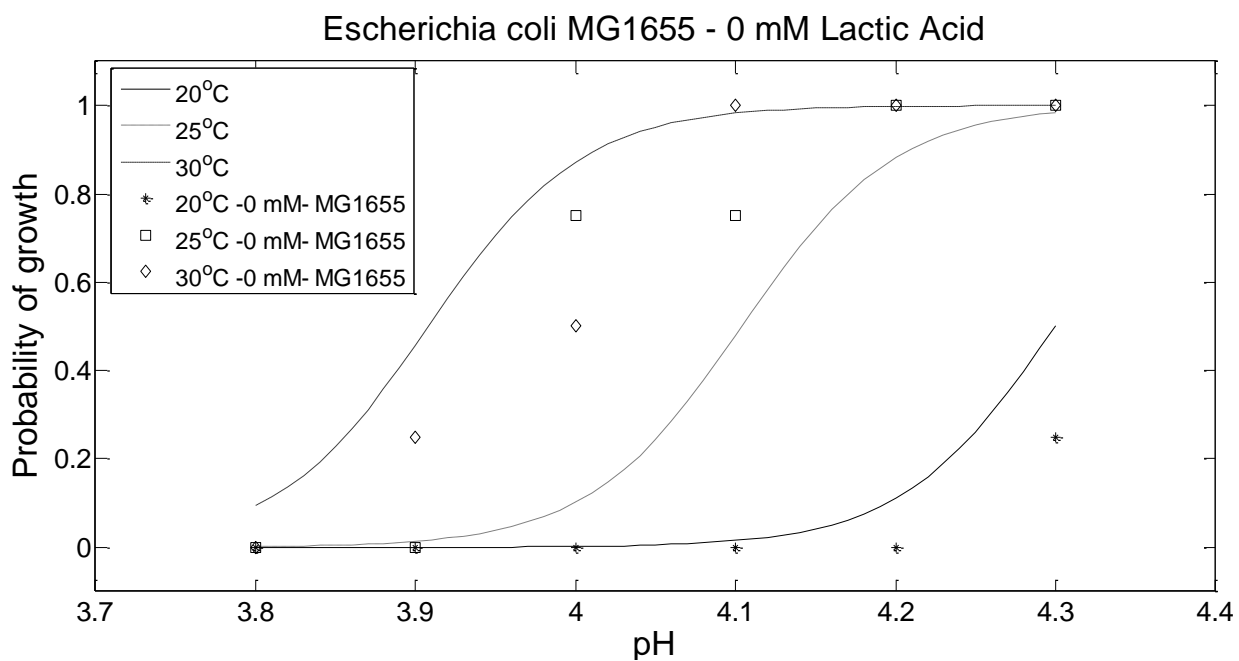
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
Intercept	-106.29	23.46	-4.53	0.00	-161.19	-67.48	0.00	0.00	0.00
pH	20.91	4.81	4.35	0.00	12.88	32.06	1.21E+09	3.92E+05	8.36E+13
Temp	0.82	0.18	4.59	0.00	0.52	1.24	2.27	1.69	3.45
LA	-3.36	1.22	-2.75	0.01	-6.16	-1.23	0.03	0.00	0.29
pH:LA	0.62	0.26	2.38	0.02	0.16	1.21	1.86	1.17	3.34

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	198.59	
pH	1	14.61	154	183.98	0.00
Temp	1	33.83	153	150.16	0.00
LA	1	88.45	152	61.71	0.00
pH:LA	1	7.33	151	54.38	0.01

<b>AIC</b>	64.38
<b>Likelihood Ratio</b>	3.54E-30
<b>Log-Likelihood</b>	-27.19







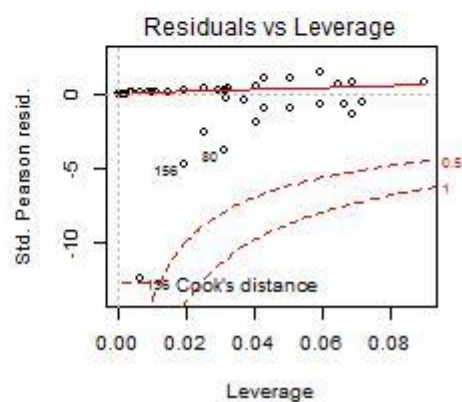
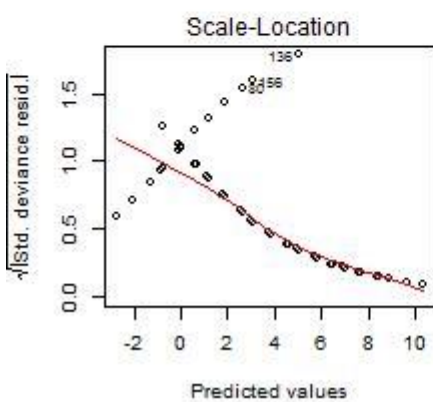
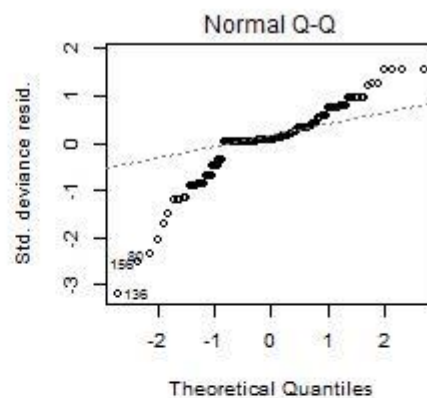
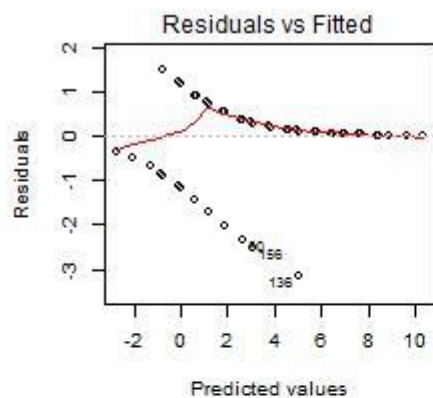


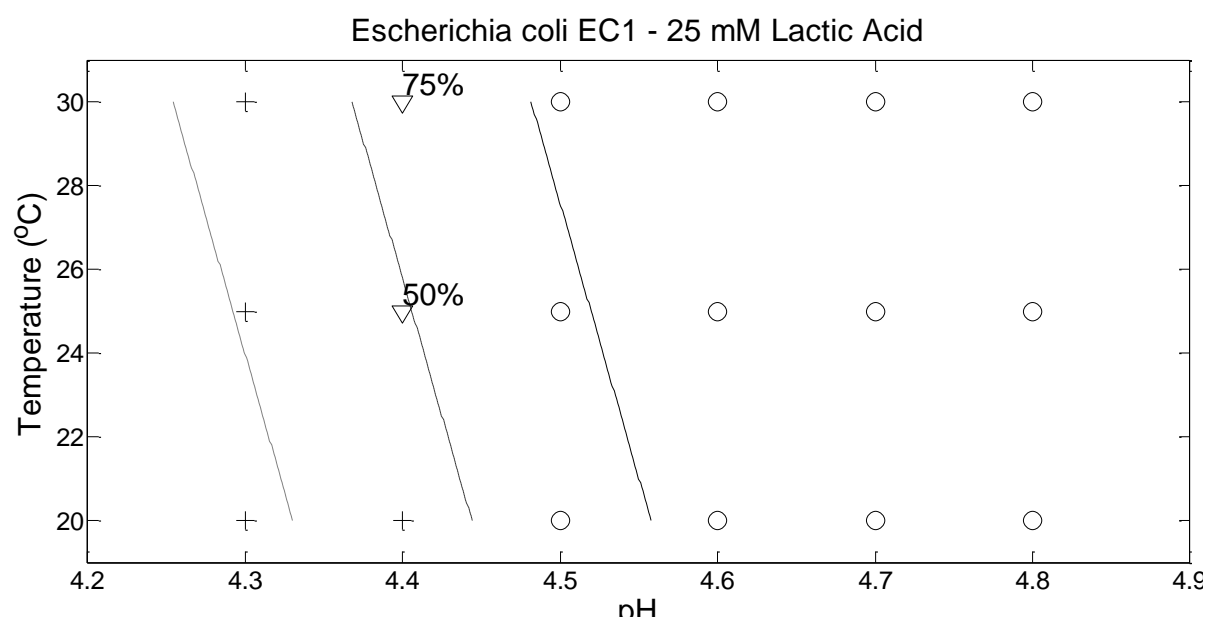
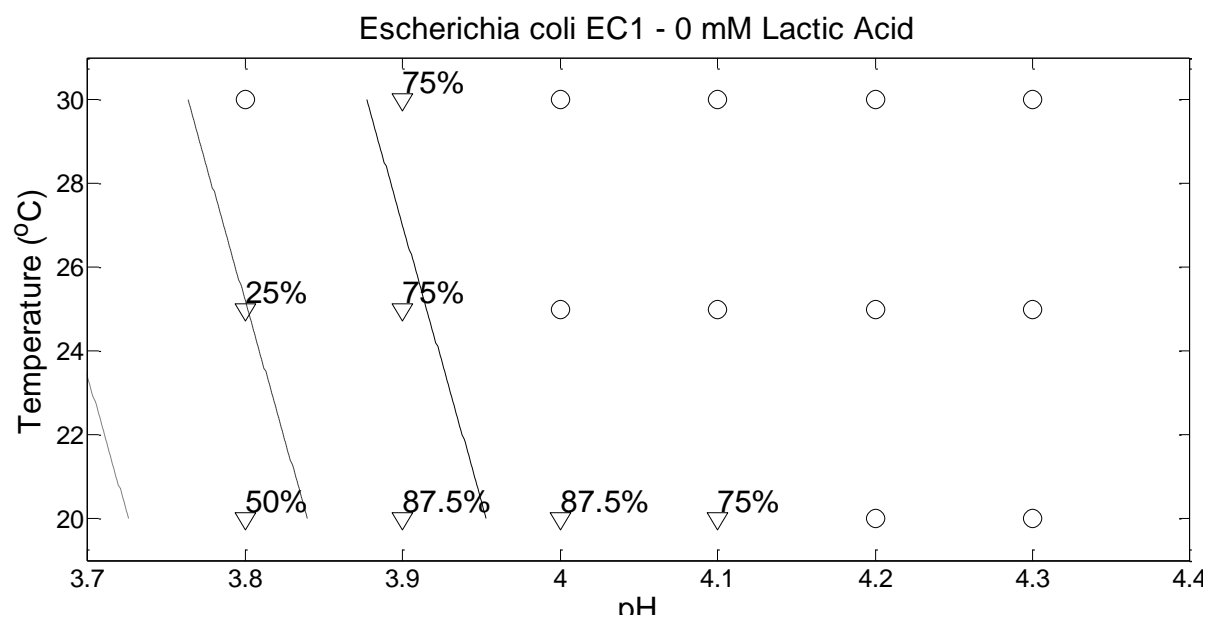
## 5. *E.coli* EC1 - isolated from minced meat

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-77.12	15.31	-5.04	0.00	-111.54	-50.93	0.00	0.00	0.00
pH	19.32	3.84	5.03	0.00	12.77	27.96	2.46E+08	3.50E+05	1.39E+12
LA	-0.47	0.09	-5.12	0.00	-0.67	-0.31	0.63	0.51	0.73
Temp	0.15	0.07	1.98	0.05	0.01	0.30	1.16	1.01	1.35

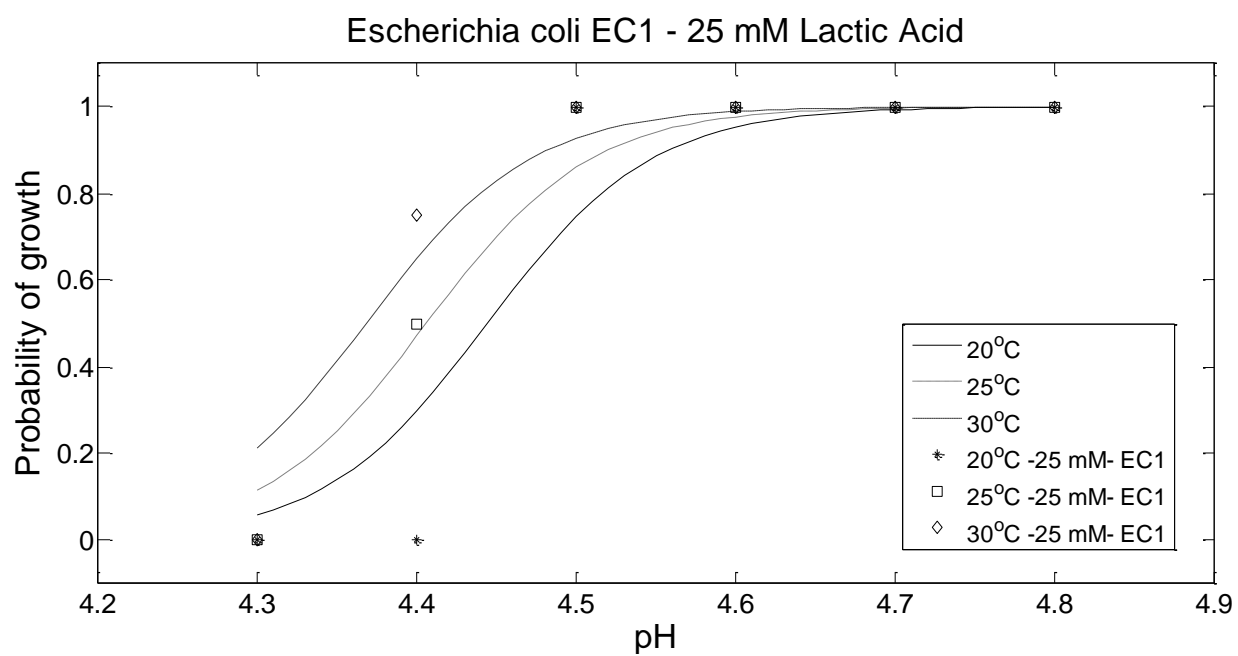
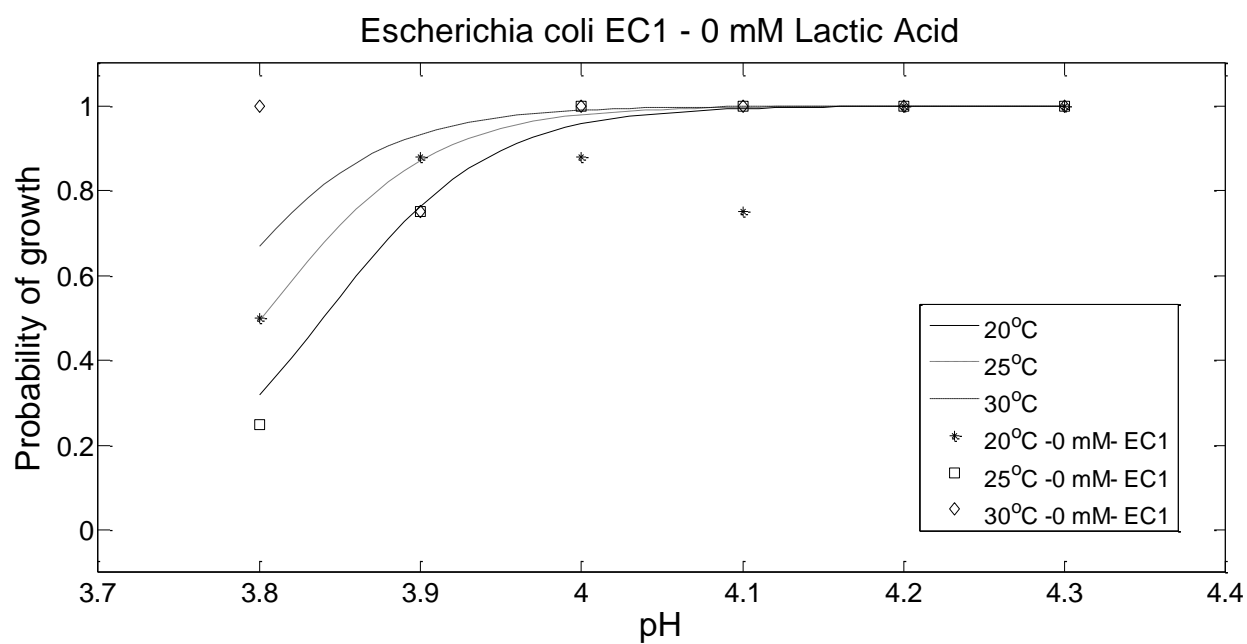
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	155.57	
pH	1	5.40	154	150.17	0.02
LA	1	68.85	153	81.31	0.00
Temp	1	4.29	152	77.03	0.04

<b>AIC</b>	85.03
<b>Likelihood Ratio</b>	6.31E-17
<b>Log-Likelihood</b>	-38.51









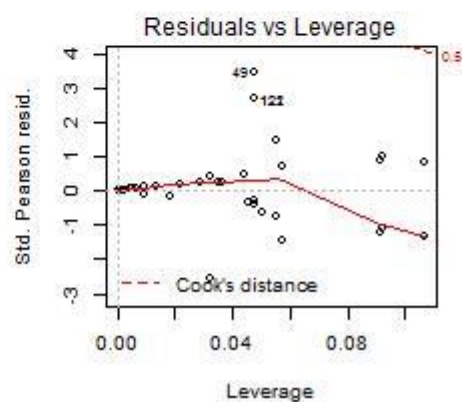
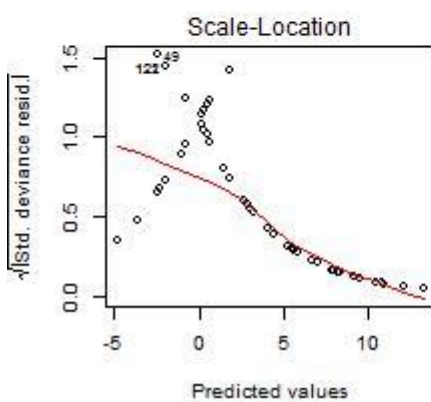
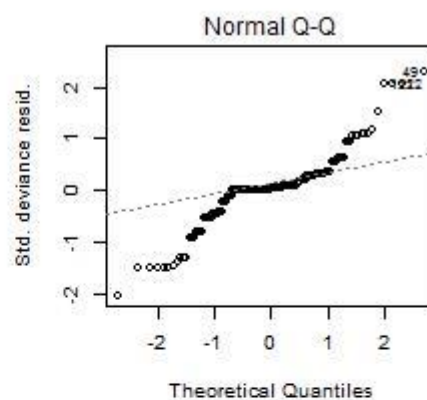
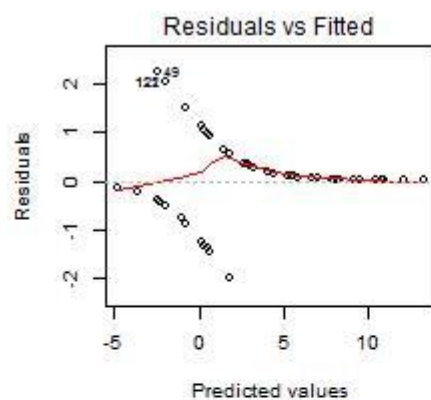


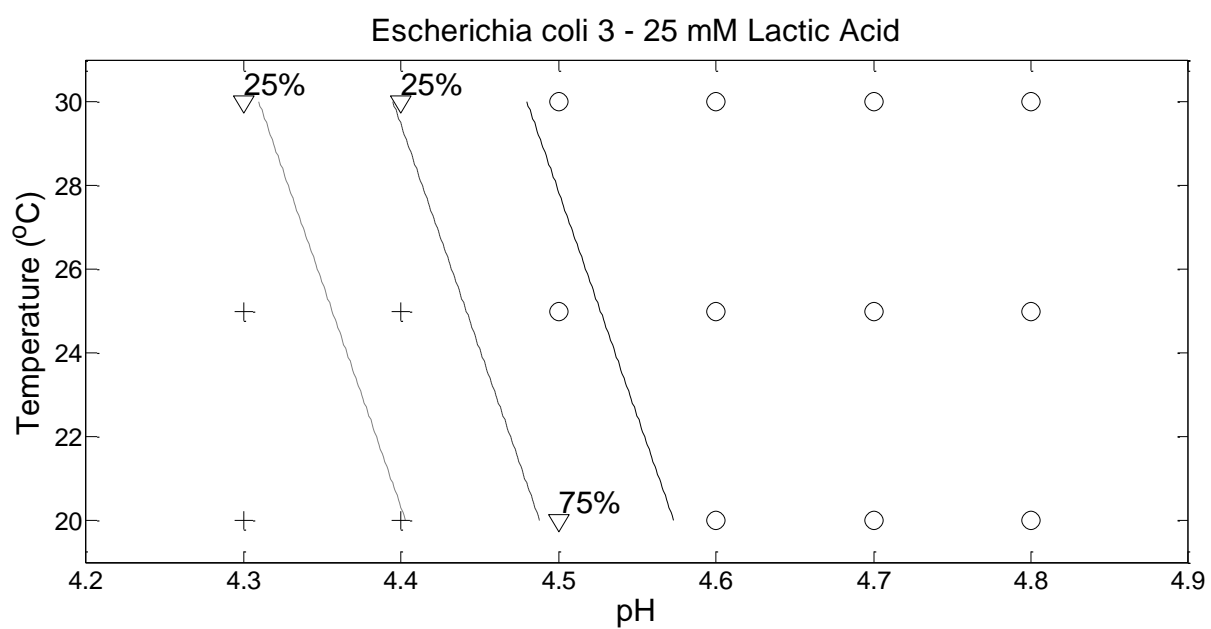
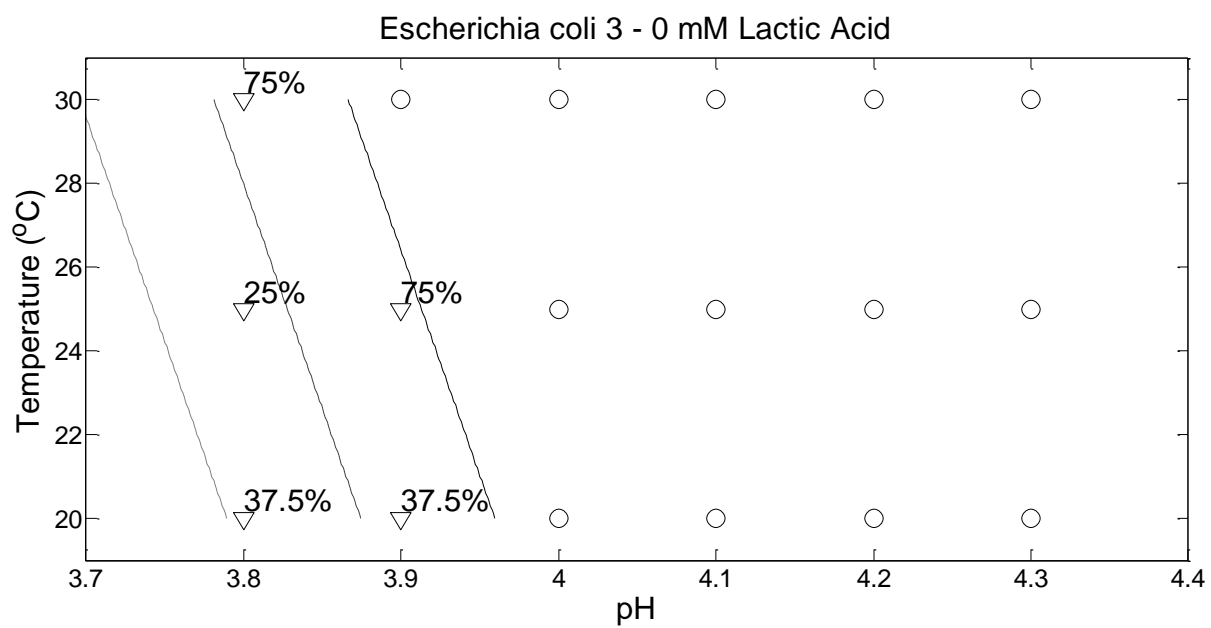
## 6. *E.coli* EC3 - isolated from minced meat

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
Intercept	-104.78	20.54	-5.10	0.00	-152.26	-70.37	0.00	0.00	0.00
pH	25.80	5.07	5.09	0.00	17.31	37.49	1.61E+11	3.30E+07	1.92E+16
LA	-0.63	0.12	-5.10	0.00	-0.92	-0.43	0.53	0.40	0.65
Temp	0.24	0.09	2.76	0.01	0.08	0.43	1.27	1.08	1.53

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	173.22	
pH	1	7.30	154	165.91	0.01
LA	1	91.64	153	74.28	0.00
Temp	1	9.27	152	65.00	0.00

<b>AIC</b>	73.00
<b>Likelihood Ratio</b>	2.66E-23
<b>Log-Likelihood</b>	-32.50



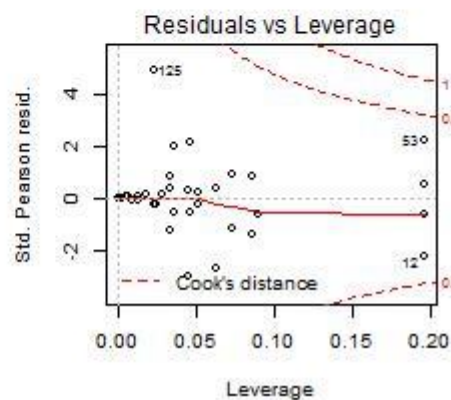
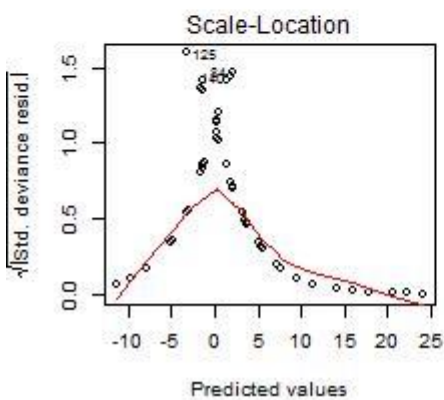
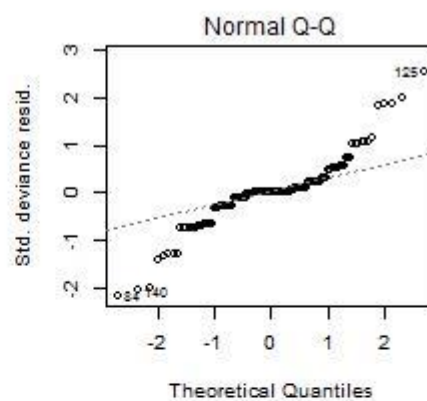
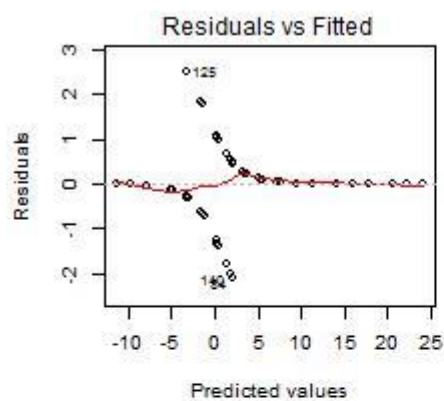


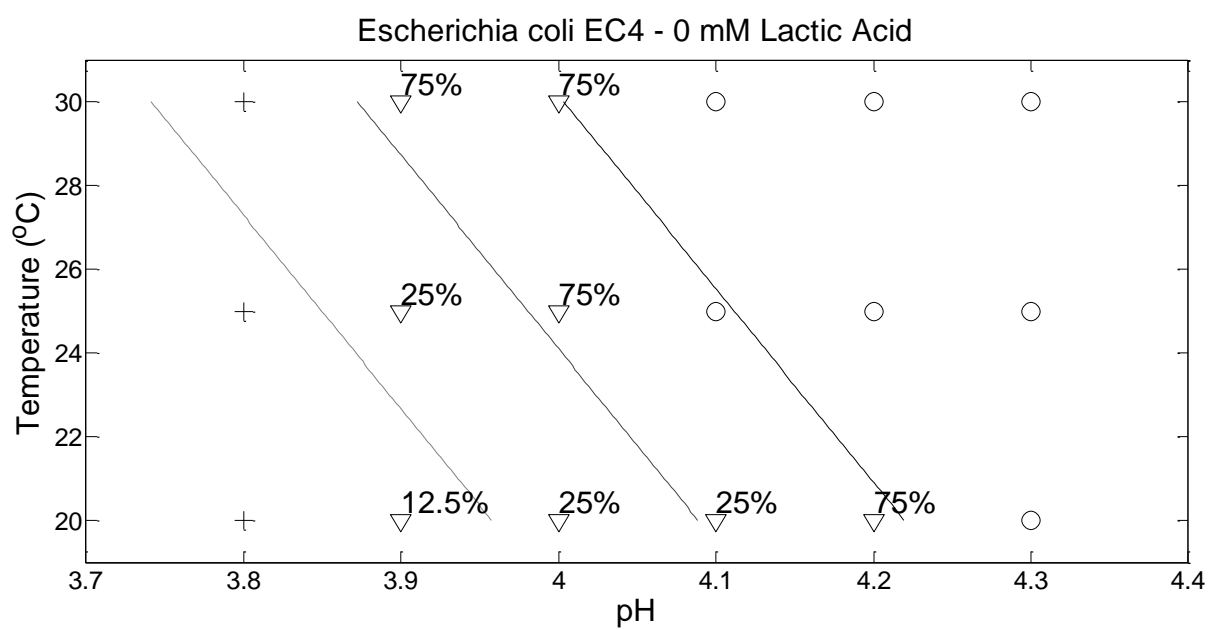
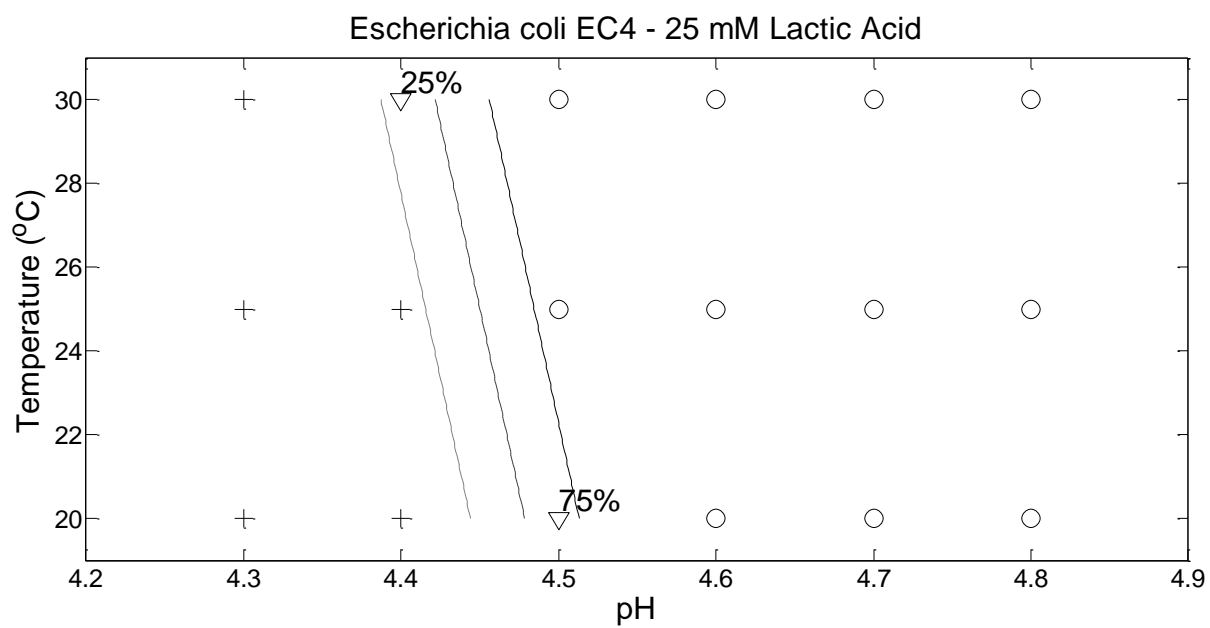
## 7. *E.coli* EC4 - isolated from compost

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-75.82	16.03	-4.73	0.00	-112.93	-48.97	0.00	0.00	0.00
pH	16.77	3.65	4.59	0.00	10.63	25.21	1.92E+07	4.15E+04	8.86E+10
Temp	0.36	0.10	3.60	0.00	0.18	0.59	1.44	1.20	1.80
LA	-8.67	2.96	-2.93	0.00	-15.70	-3.75	0.00	0.00	0.02
pH:LA	1.88	0.67	2.82	0.00	0.77	3.45	6.54	2.16	31.62

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	210.46	
pH	1	46.39	154	164.07	0.00
Temp	1	8.17	153	155.90	0.00
LA	1	79.35	152	76.55	0.00
pH:LA	1	15.82	151	60.73	0.00

<b>AIC</b>	70.73
<b>Likelihood Ratio</b>	2.33E-31
<b>Log-Likelihood</b>	-30.37



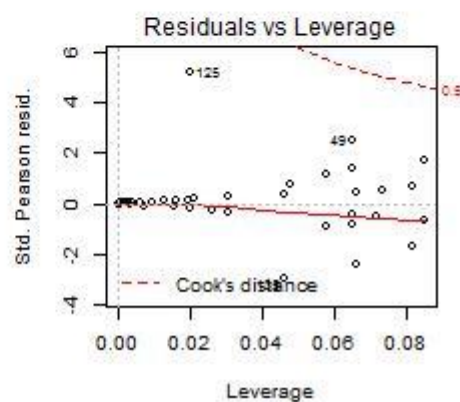
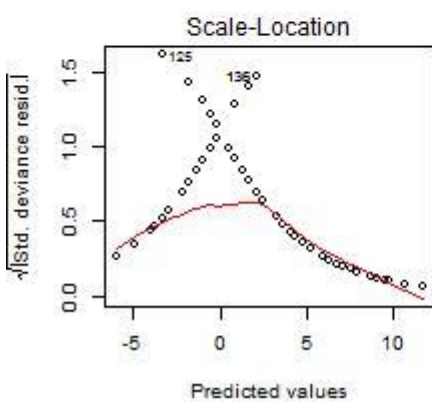
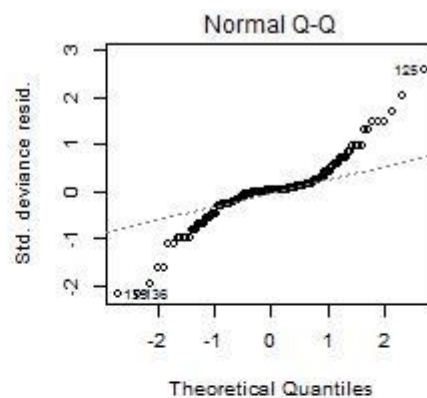
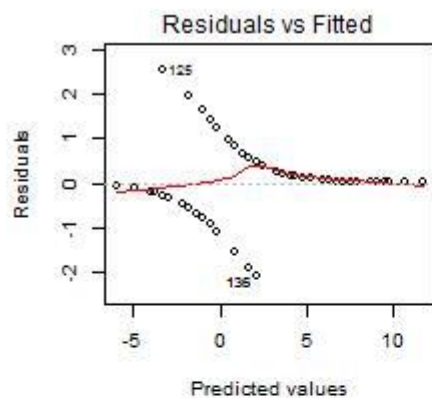


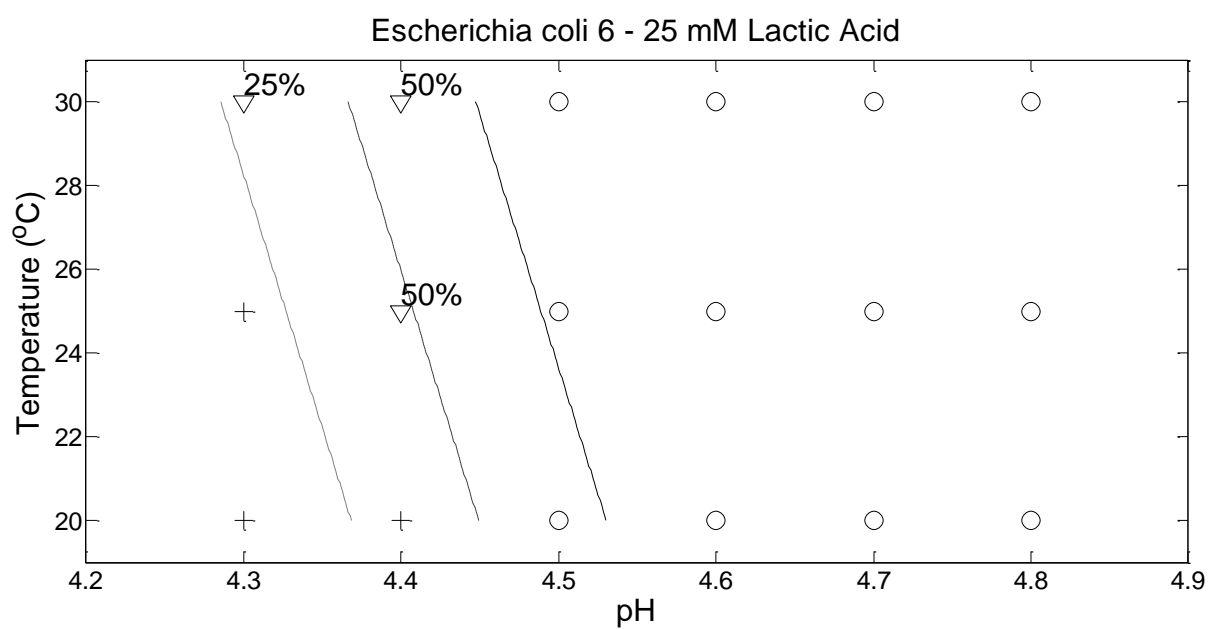
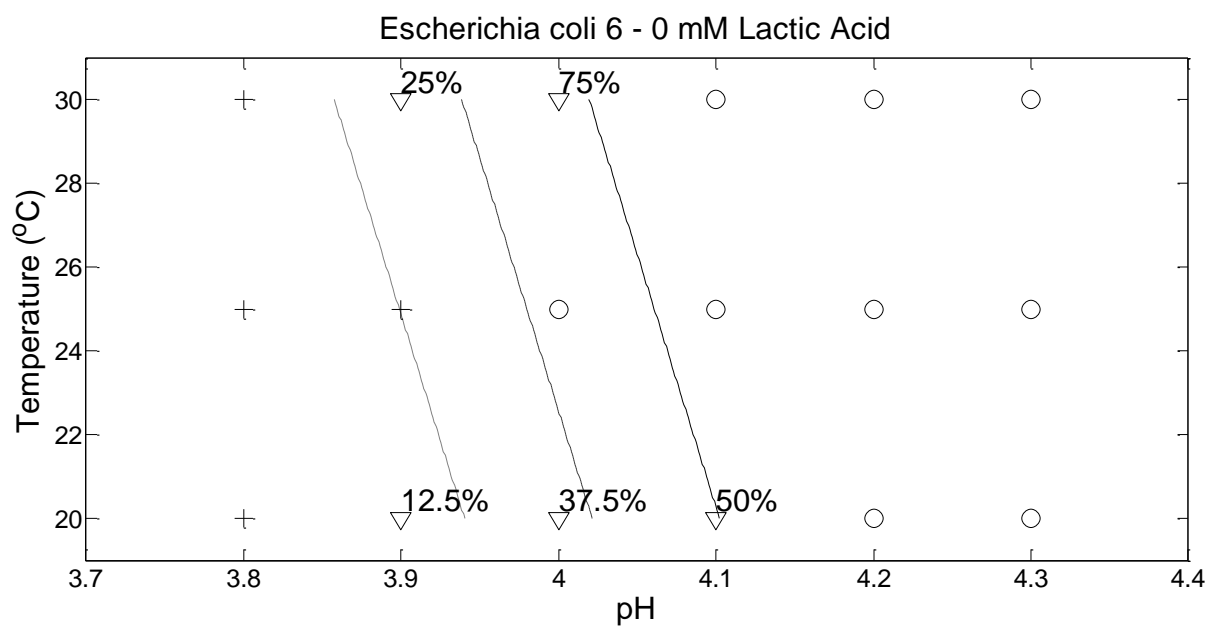
## 8. *E.coli* EC6 - isolated from compost

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-113.64	21.11	-5.38	0.00	-162.54	-78.50	0.00	0.00	0.00
pH	27.14	5.07	5.36	0.00	18.71	38.89	6.13E+11	1.33E+08	7.79E+16
Temp	0.22	0.09	2.63	0.01	0.07	0.41	1.25	1.07	1.50
LA	-0.46	0.09	-5.04	0.00	-0.68	-0.31	0.63	0.51	0.73

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	204.81	
pH	1	58.56	154	146.26	0.00
Temp	1	4.15	153	142.11	0.04
LA	1	78.36	152	63.75	0.00

<b>AIC</b>	71.75
<b>Likelihood Ratio</b>	2.23E-30
<b>Log-Likelihood</b>	-31.88





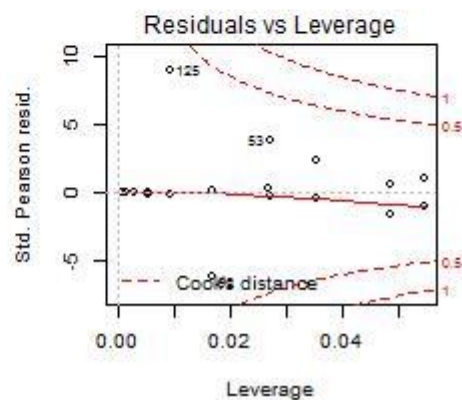
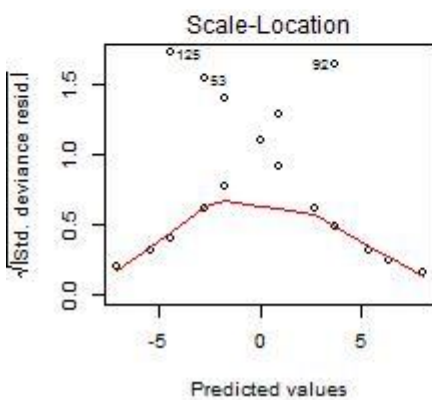
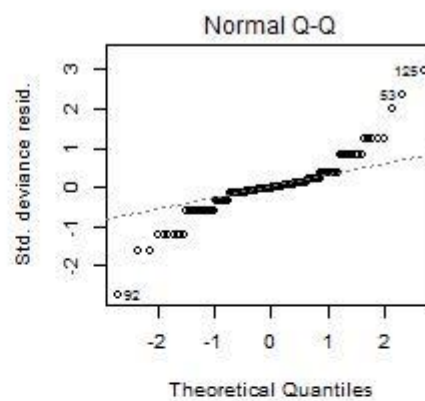
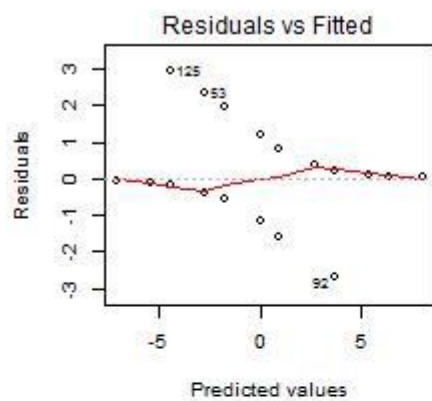


## 9. *E.coli* EC9 - isolated from sand

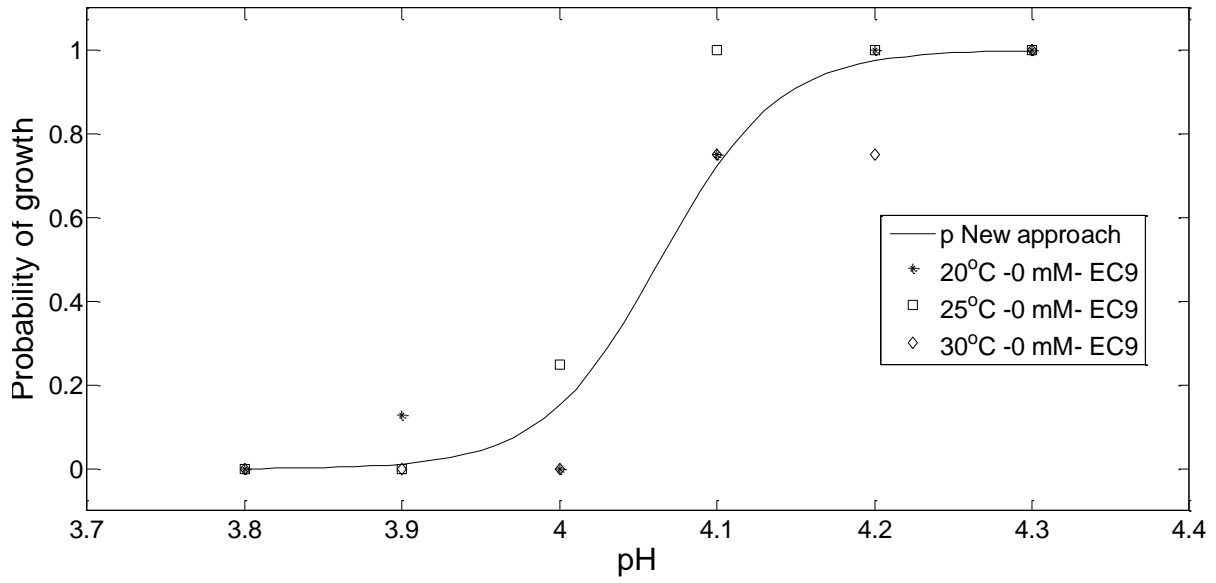
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-108.83	19.46	-5.59	0.00	-154.10	-76.52	0.00	0.00	0.00
pH	26.78	4.80	5.58	0.00	18.82	37.93	4.26E+11	1.48E+08	2.97E+16
LA	-0.47	0.09	-5.25	0.00	-0.67	-0.32	0.63	0.51	0.73

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.24	
pH	1	59.85	154	156.39	0.00
LA	1	93.48	153	62.91	0.00

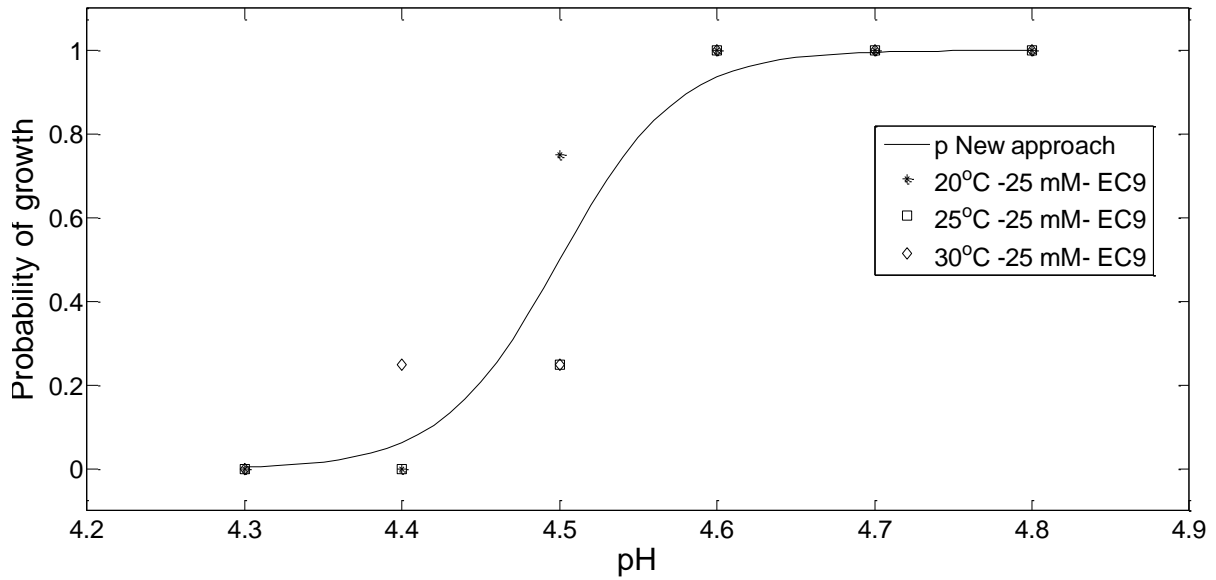
<b>AIC</b>	68.91
<b>Likelihood Ratio</b>	5.07E-34
<b>Log-Likelihood</b>	-31.45

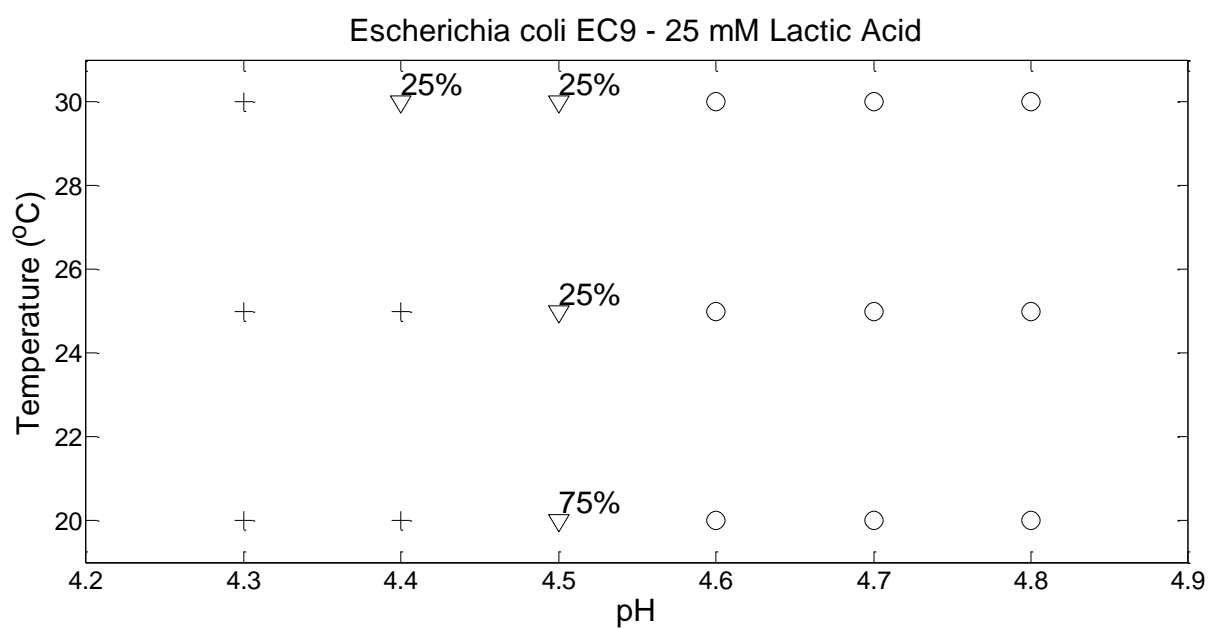
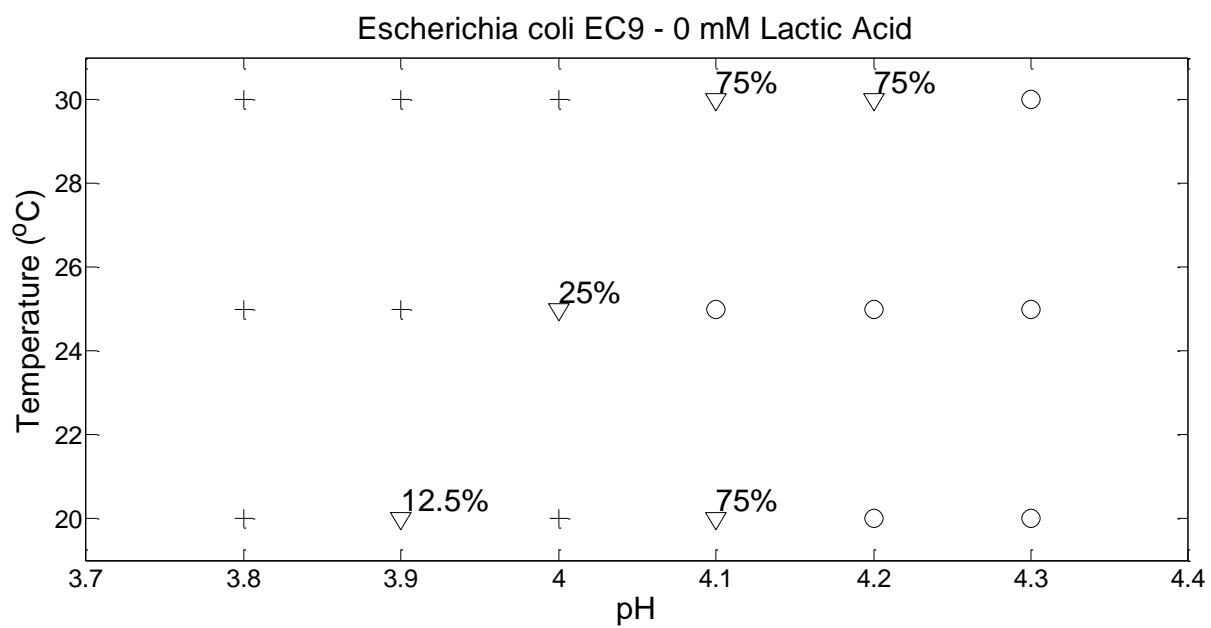


Escherichia coli EC9 - 0 mM Lactic Acid



Escherichia coli EC9 - 25 mM Lactic Acid





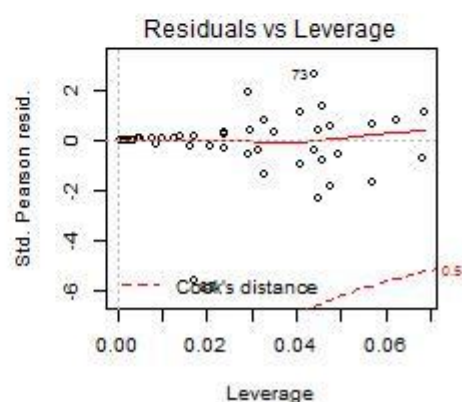
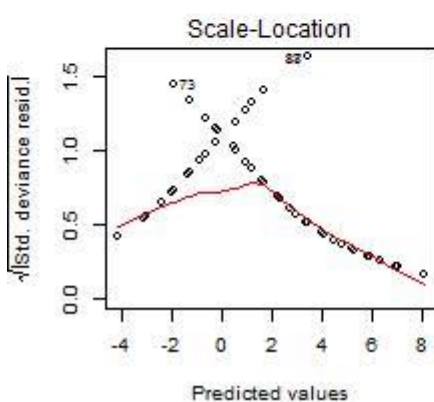
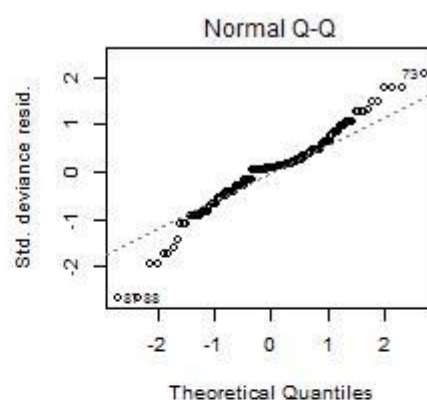
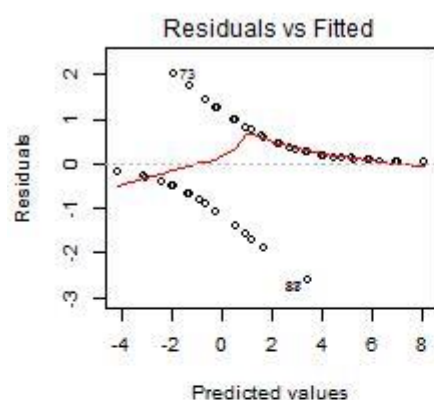


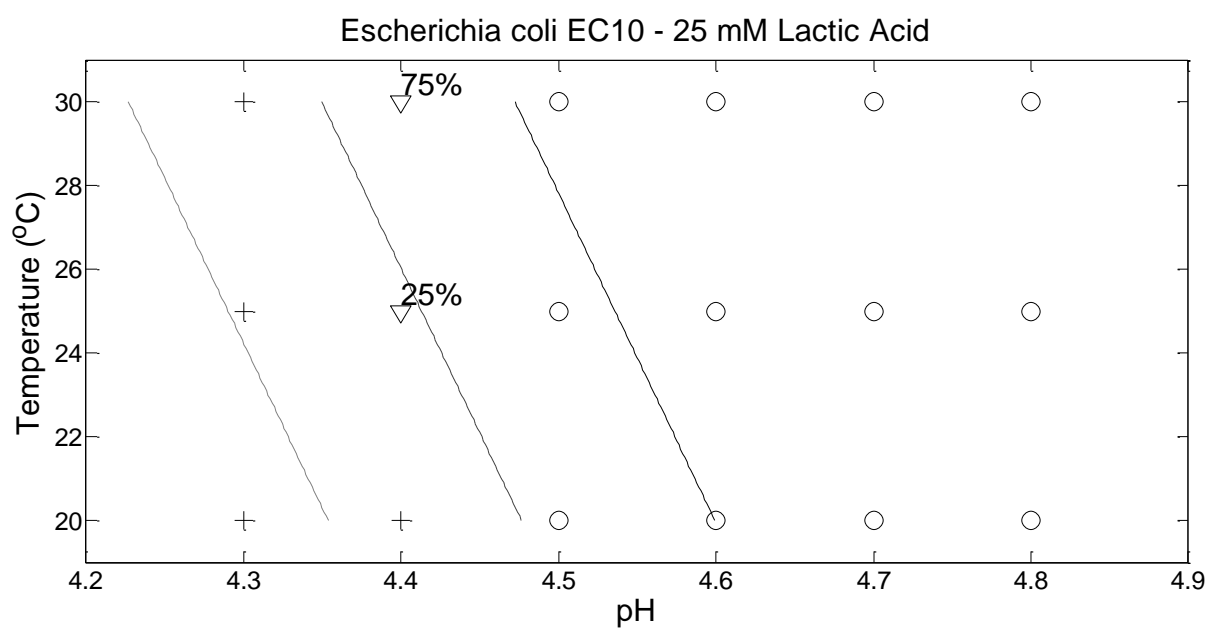
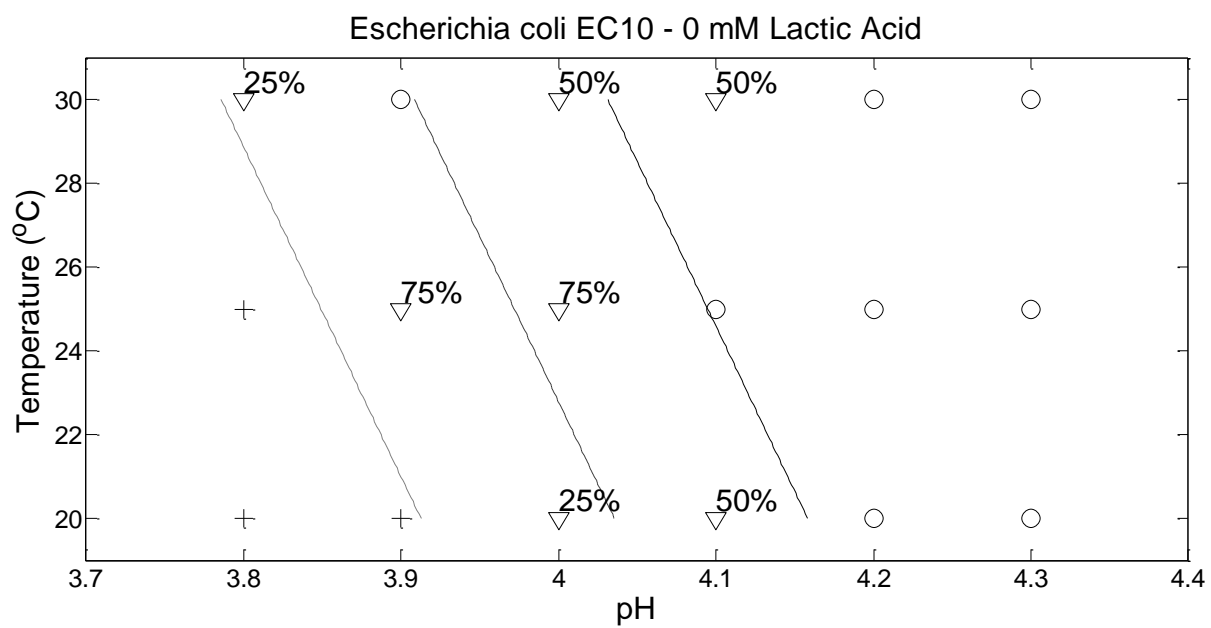
## 10. *E.coli* EC10 – isolated from chicken feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-76.75	12.66	-6.06	0.00	-105.08	-54.89	0.00	0.00	0.00
pH	17.89	2.98	6.00	0.00	12.74	24.56	5.91E+07	3.40E+05	4.66E+10
Temp	0.23	0.07	3.20	0.00	0.10	0.38	1.26	1.10	1.46
LA	-0.32	0.06	-5.37	0.00	-0.45	-0.21	0.73	0.64	0.81

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	204.81	
pH	1	46.96	154	157.86	0.00
Temp	1	7.75	153	150.11	0.01
LA	1	59.91	152	90.20	0.00

<b>AIC</b>	98.20
<b>Likelihood Ratio</b>	1.11E-24
<b>Log-Likelihood</b>	-45.10



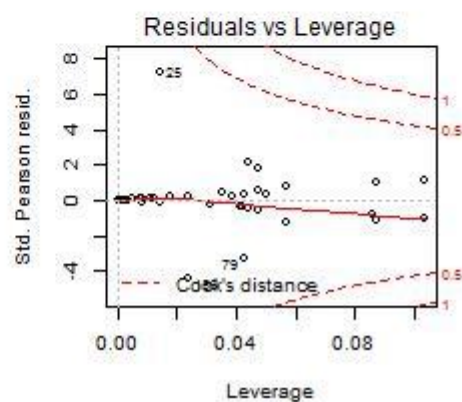
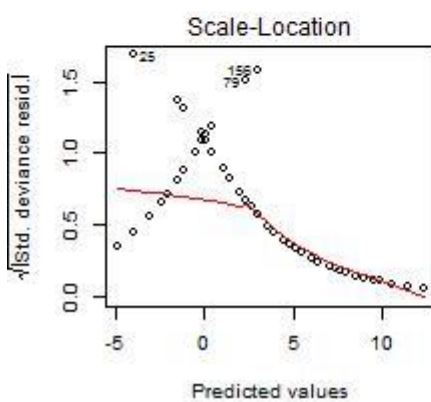
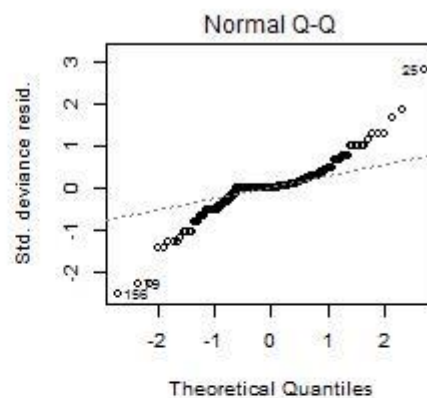
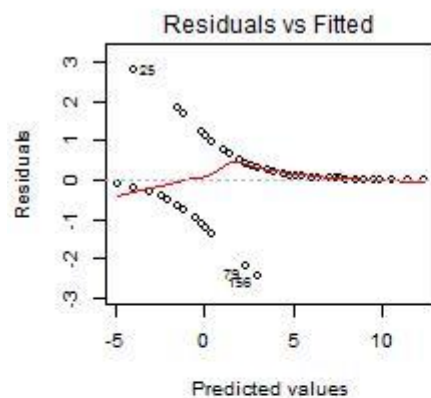


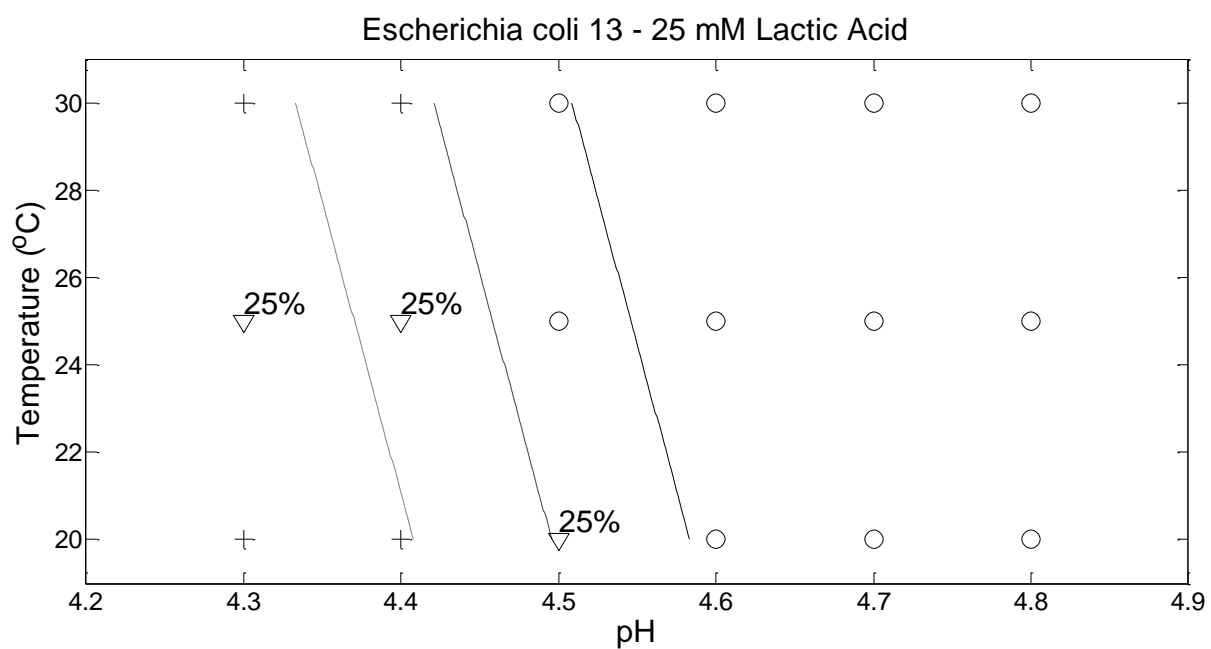
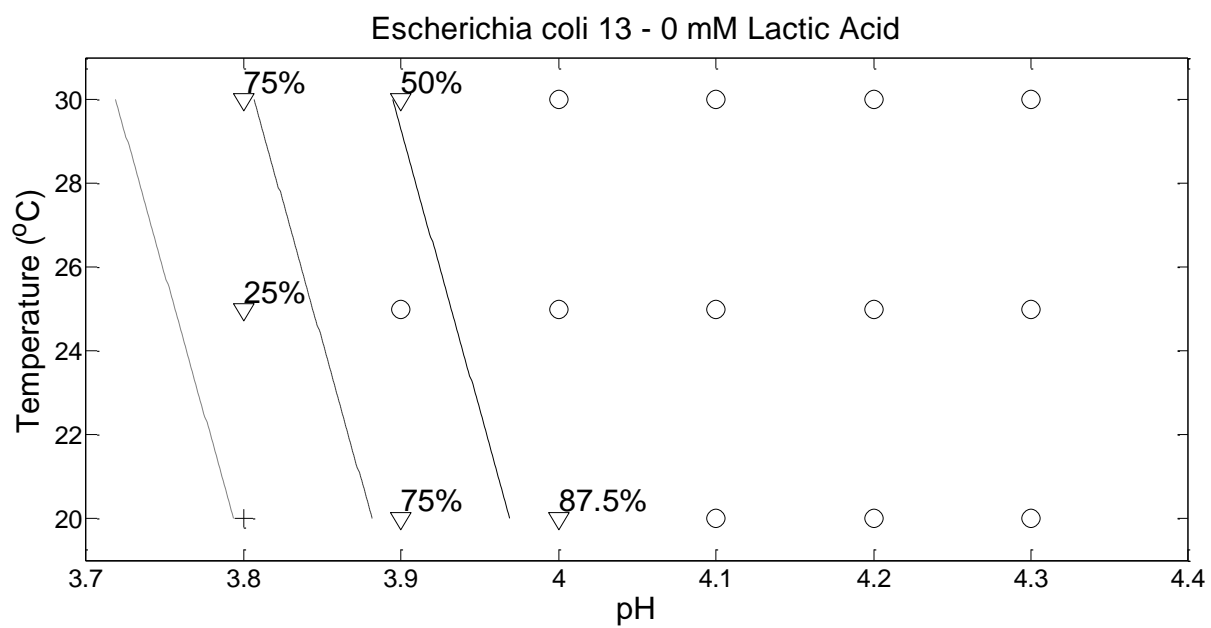
# 11. *E.coli* EC13 - isolated from chicken feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-100.90	19.06	-5.29	0.00	-144.67	-68.78	0.00	0.00	0.00
pH	25.03	4.72	5.30	0.00	17.07	35.84	7.41E+10	2.59E+07	3.68E+15
Temp	0.19	0.08	2.31	0.02	0.04	0.36	1.21	1.04	1.43
LA	-0.61	0.12	-5.27	0.00	-0.88	-0.42	0.54	0.41	0.66

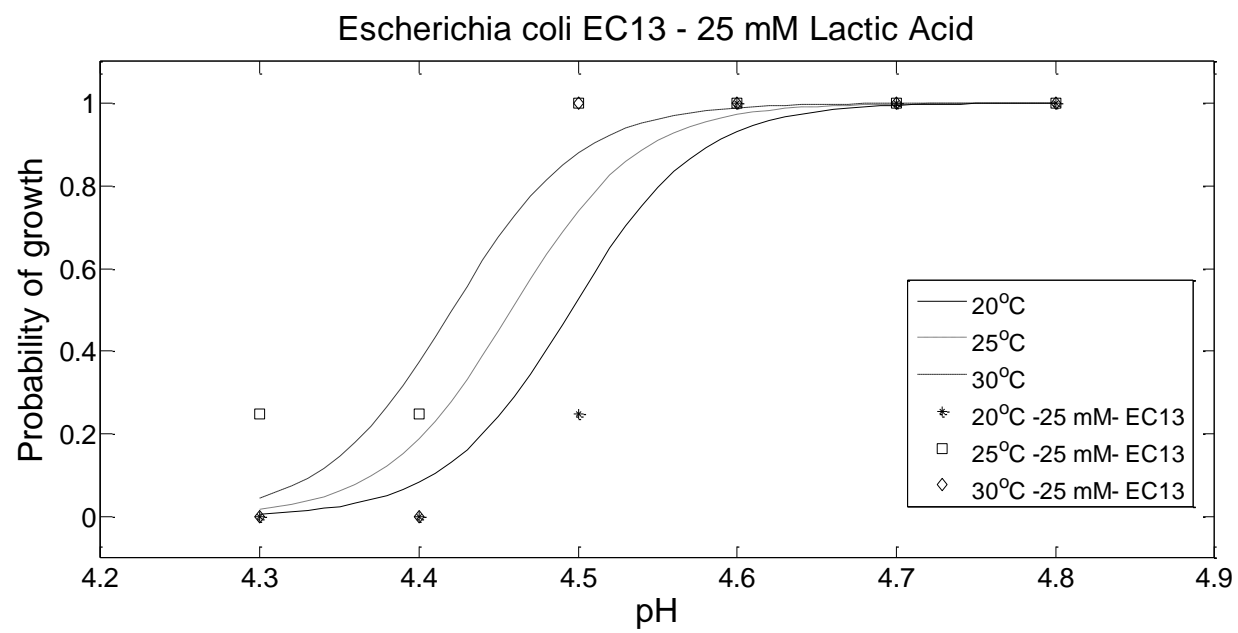
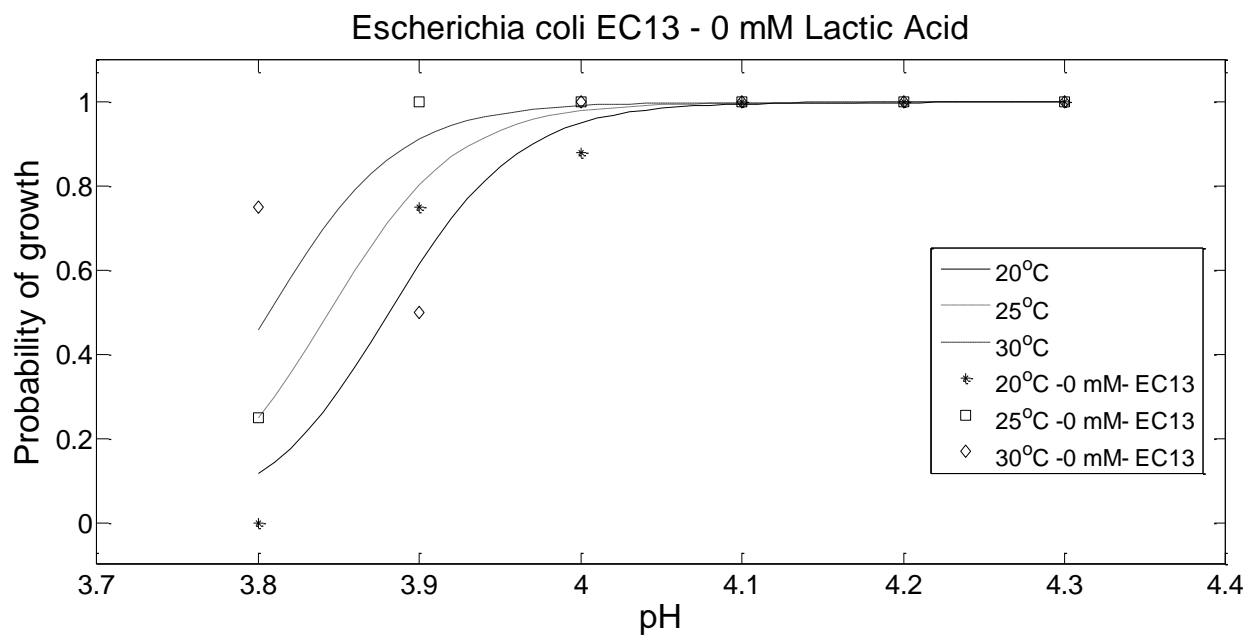
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	181.74	
pH	1	8.40	154	173.34	0.00
Temp	1	1.98	153	171.36	0.16
LA	1	102.77	152	68.60	0.00

<b>AIC</b>	76.60
<b>Likelihood Ratio</b>	2.31E-24
<b>Log-Likelihood</b>	-34.30









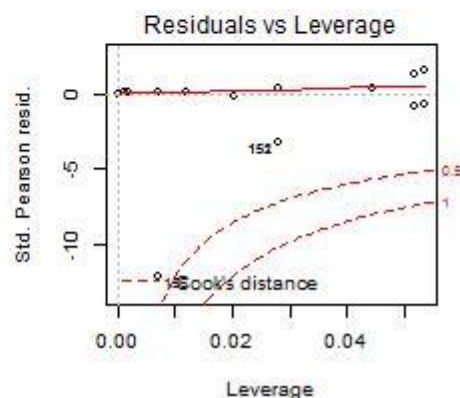
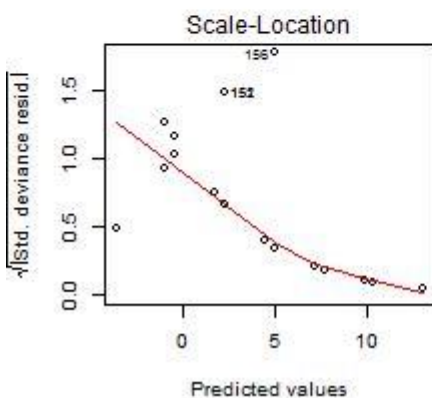
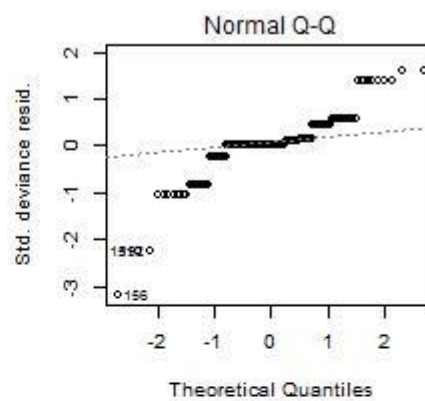
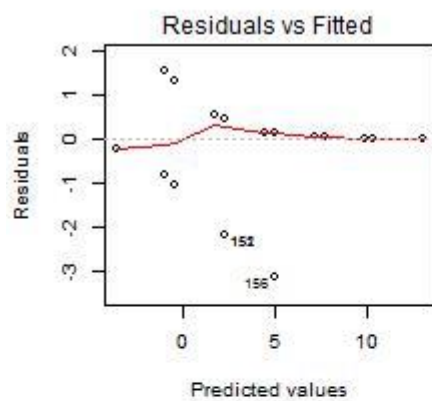


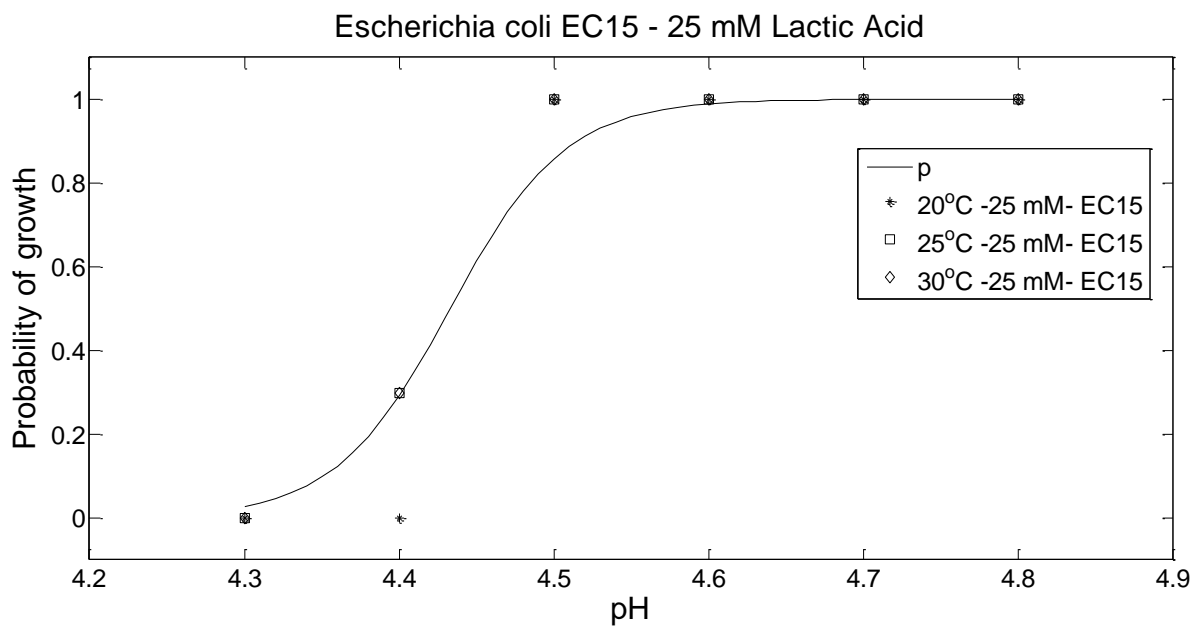
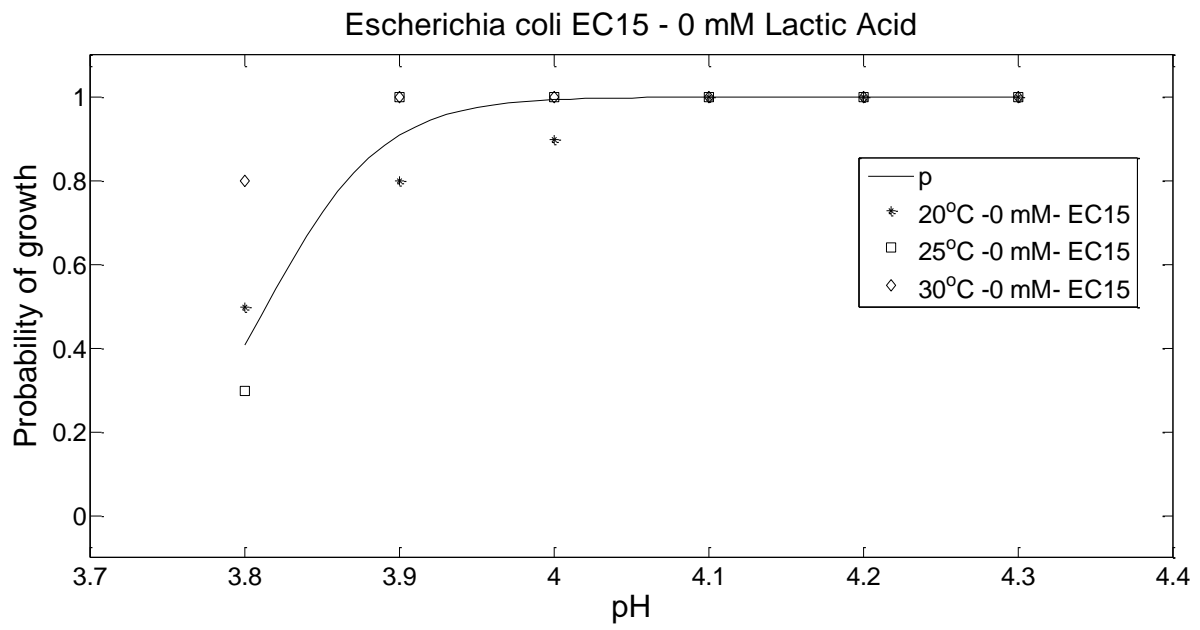
## 12. *E.coli* EC15 - isolated from chicken feces

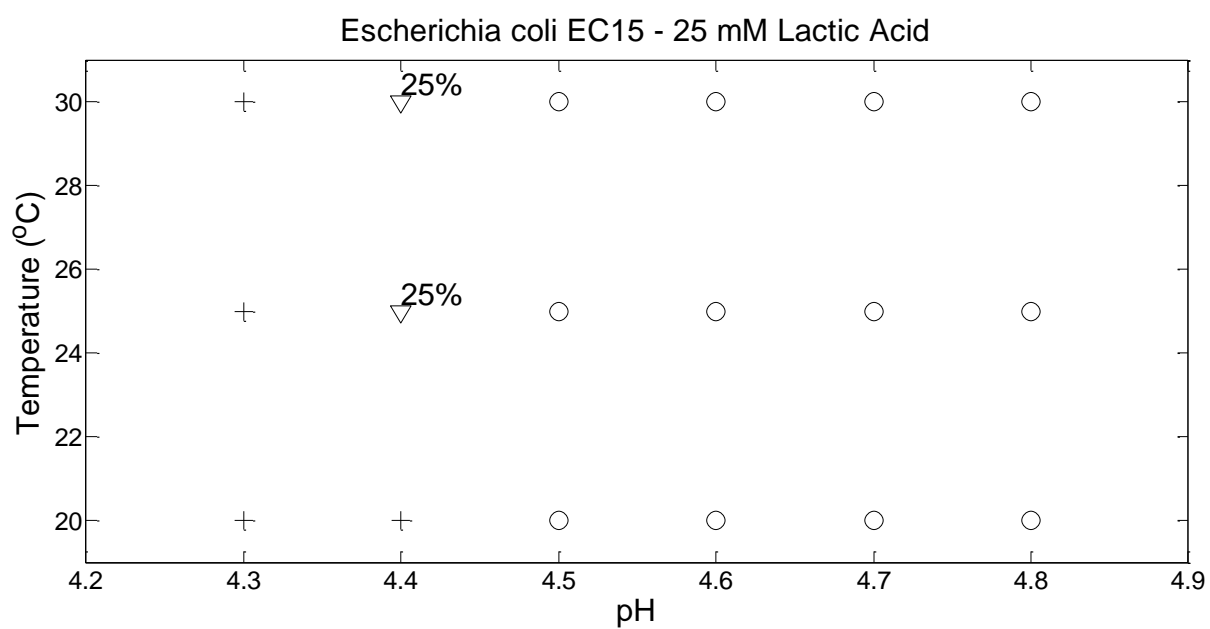
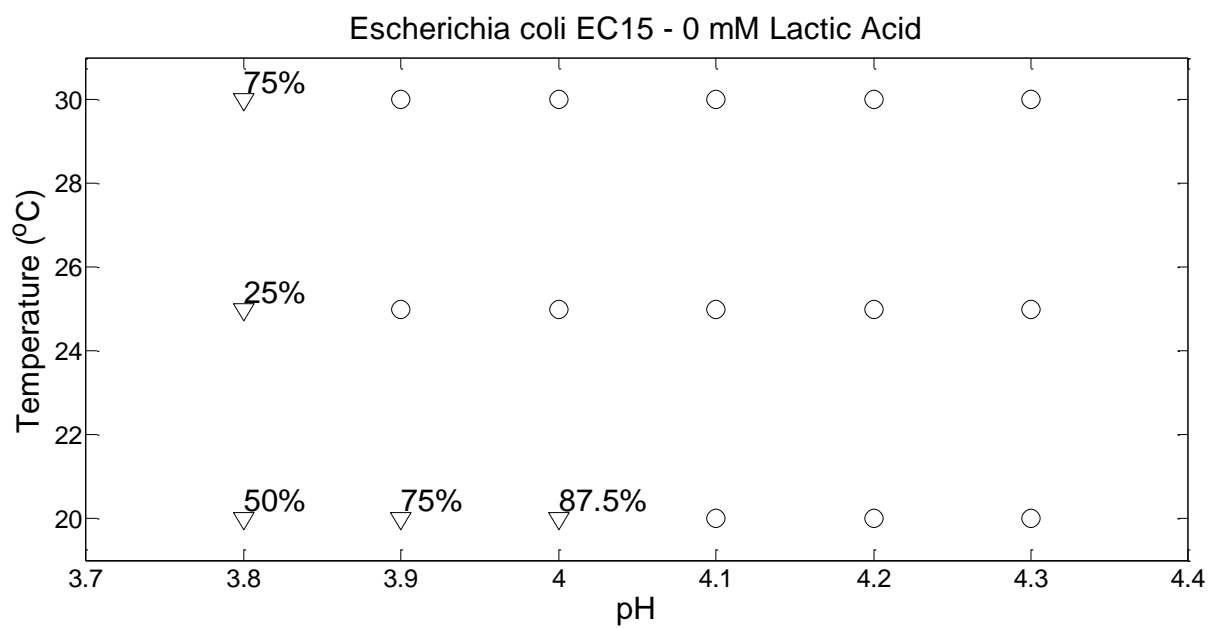
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-102.29	21.14	-4.84	0.00	-150.99	-66.92	0.00	0.00	0.00
LA	-0.66	0.14	-4.90	0.00	-0.98	-0.44	0.51	0.38	0.64
pH	26.82	5.52	4.86	0.00	17.61	39.57	4.46E+11	4.44E+07	1.53E+17

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	160.99	
LA	1	7.14	154	153.85	0.01
pH	1	92.16	153	61.68	0.00

<b>AIC</b>	67.68
<b>Likelihood Ratio</b>	2.73E-22
<b>Log-Likelihood</b>	-30.84







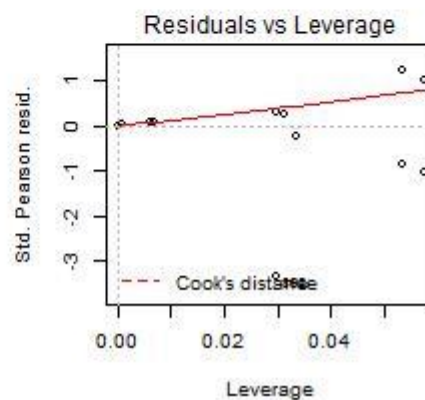
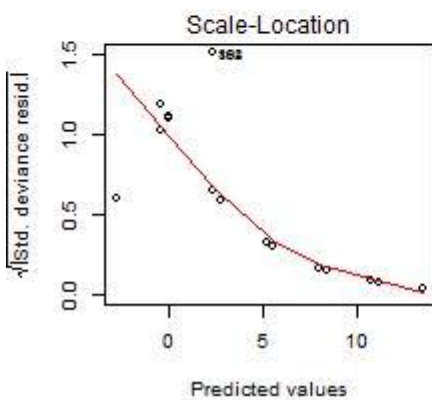
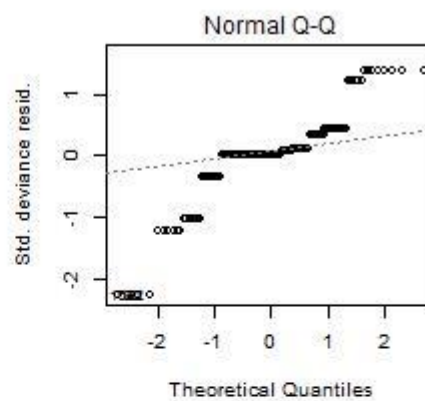
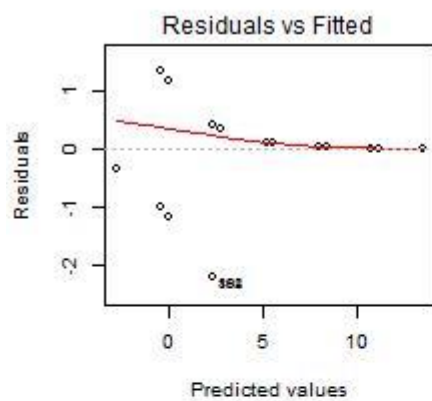


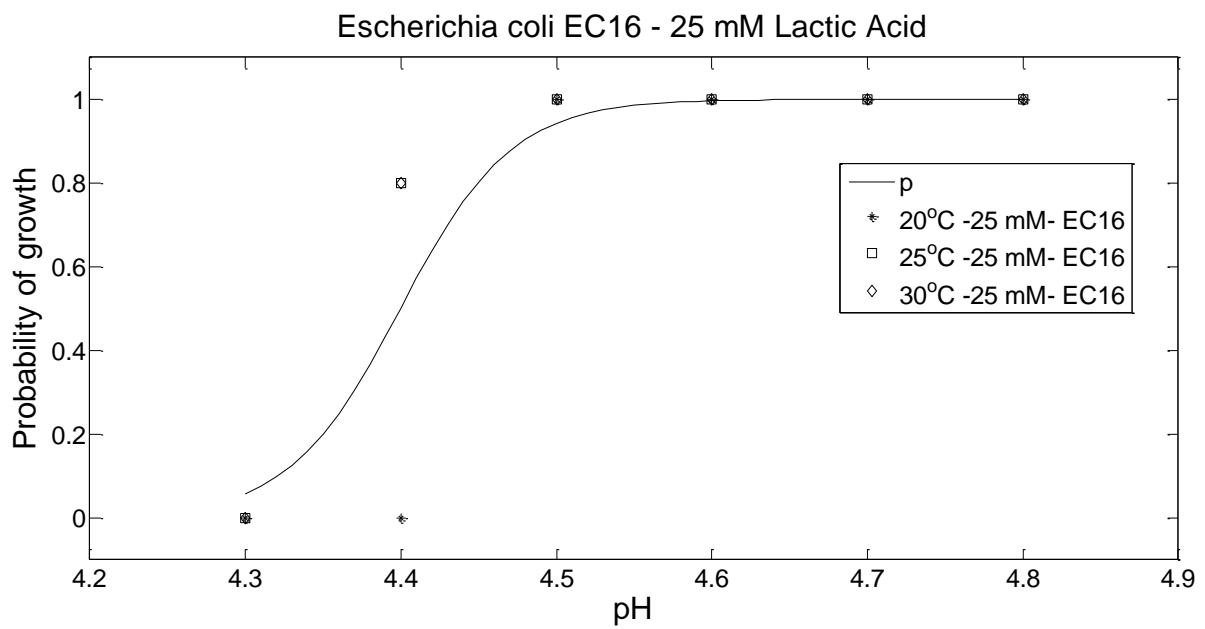
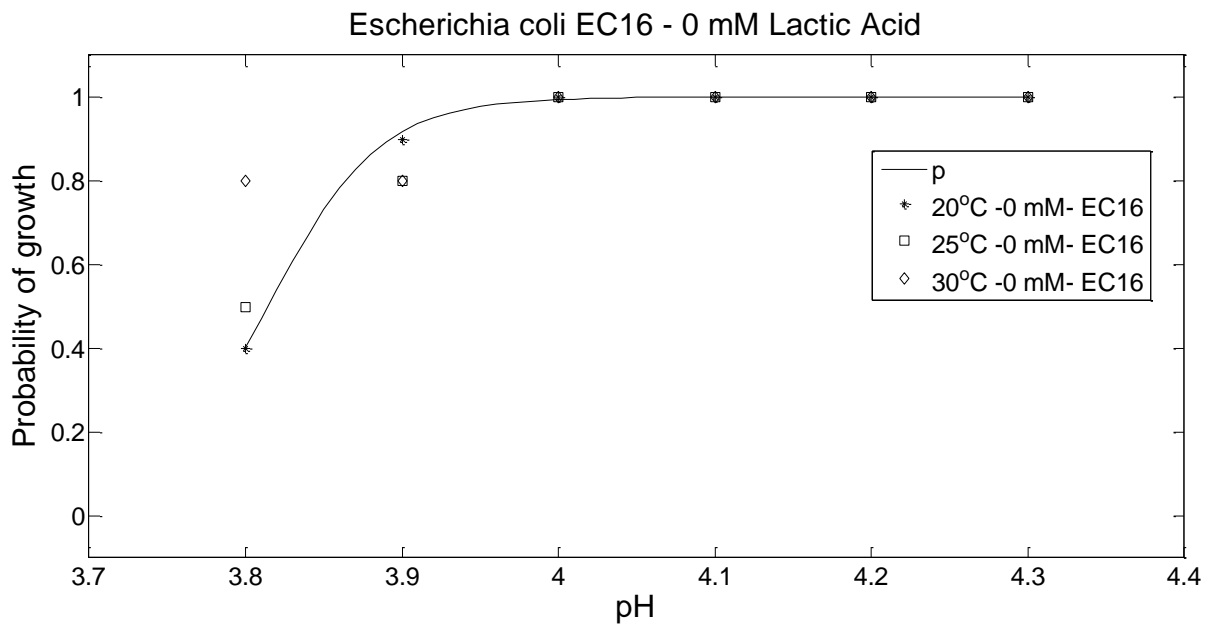
### 13. *E.coli* EC16 - isolated from compost

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-106.67	23.17	-4.60	0.00	-161.72	-68.46	0.00	0.00	0.00
pH	27.97	6.05	4.62	0.00	18.01	42.38	1.40E+12	6.61E+07	2.55E+18
LA	-0.65	0.14	-4.63	0.00	-0.99	-0.42	0.52	0.37	0.65

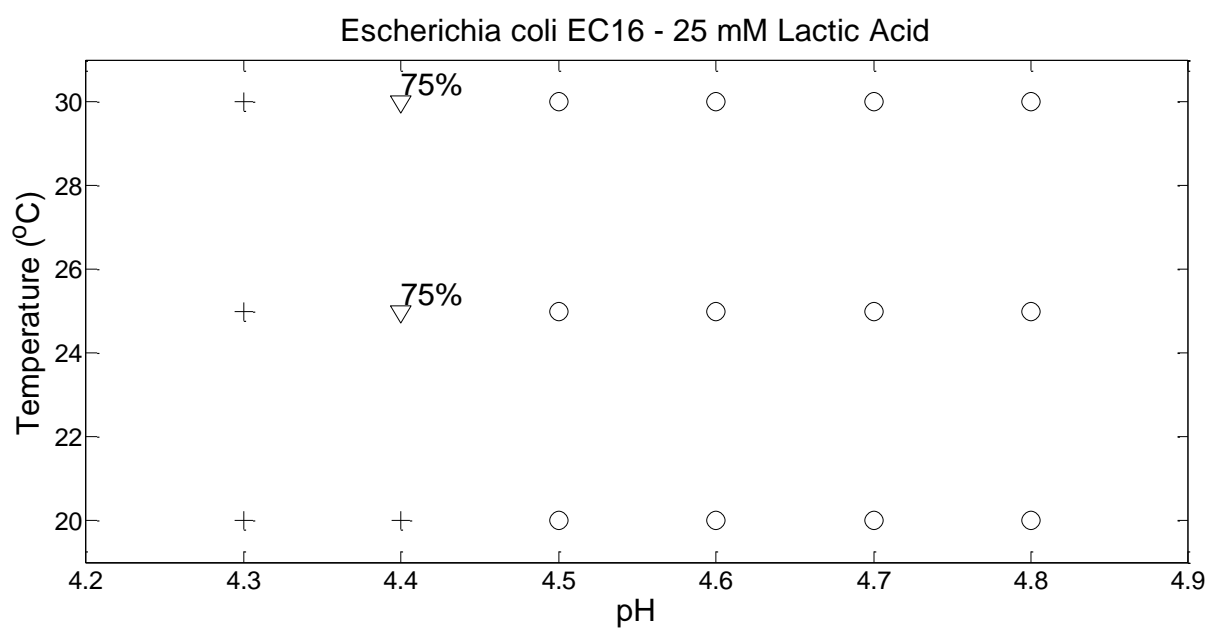
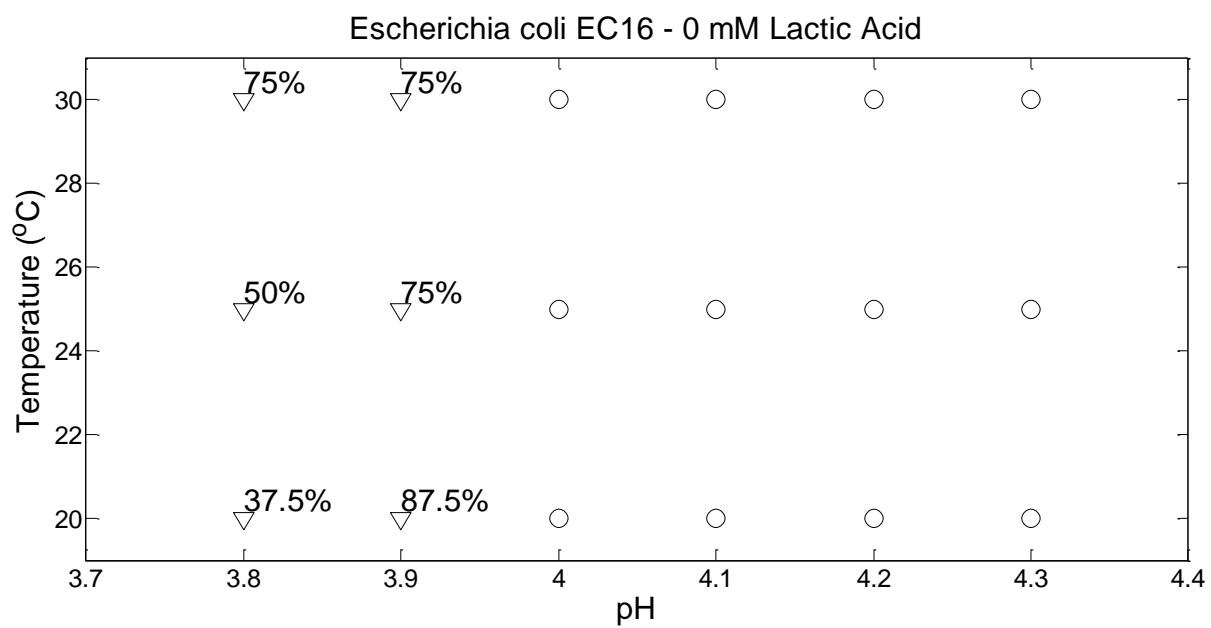
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	149.83	
pH	1	6.25	154	143.58	0.01
LA	1	83.83	153	59.74	0.00

<b>AIC</b>	65.74
<b>Likelihood Ratio</b>	2.74E-20
<b>Log-Likelihood</b>	-29.87









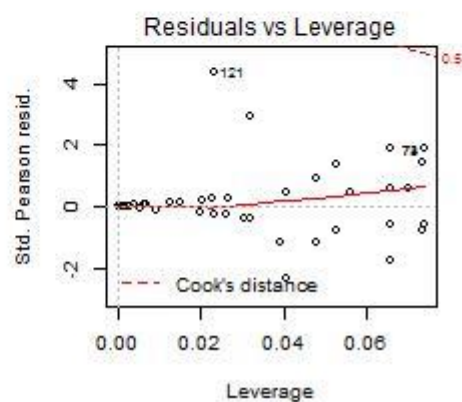
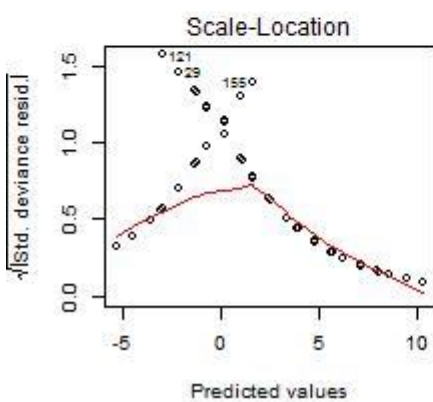
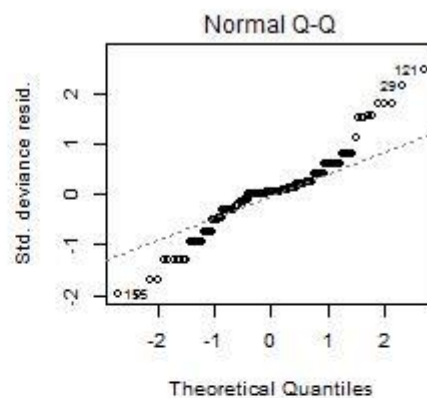
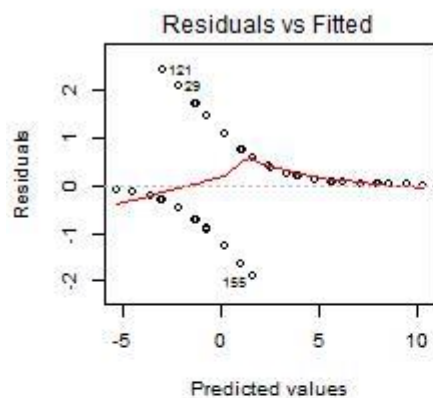


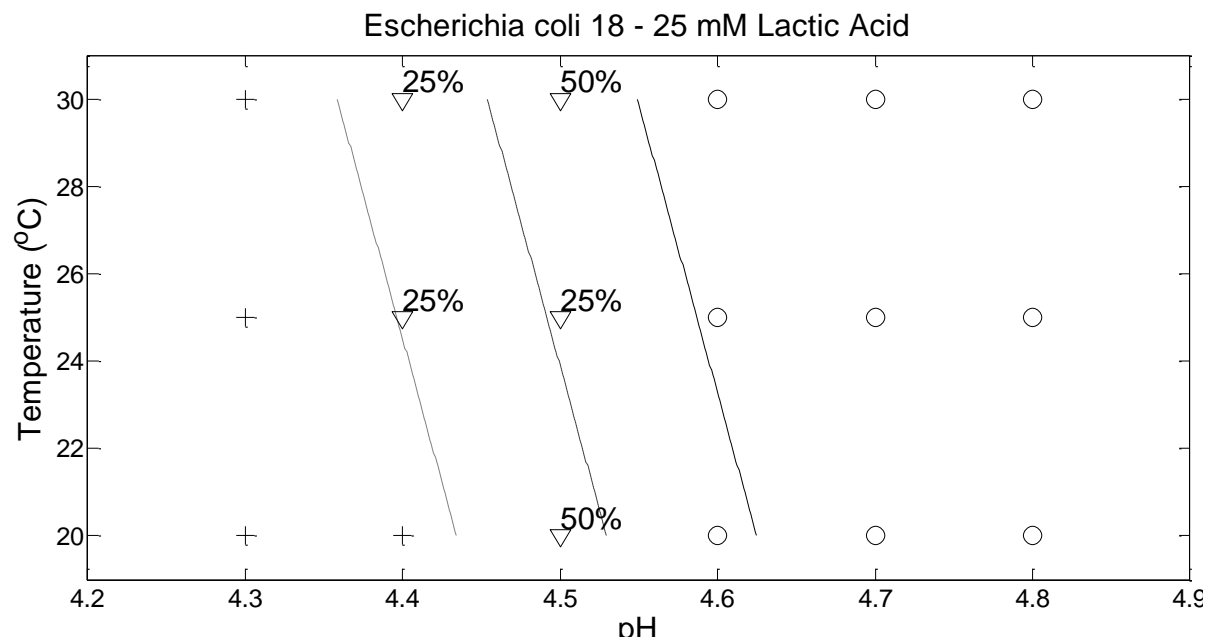
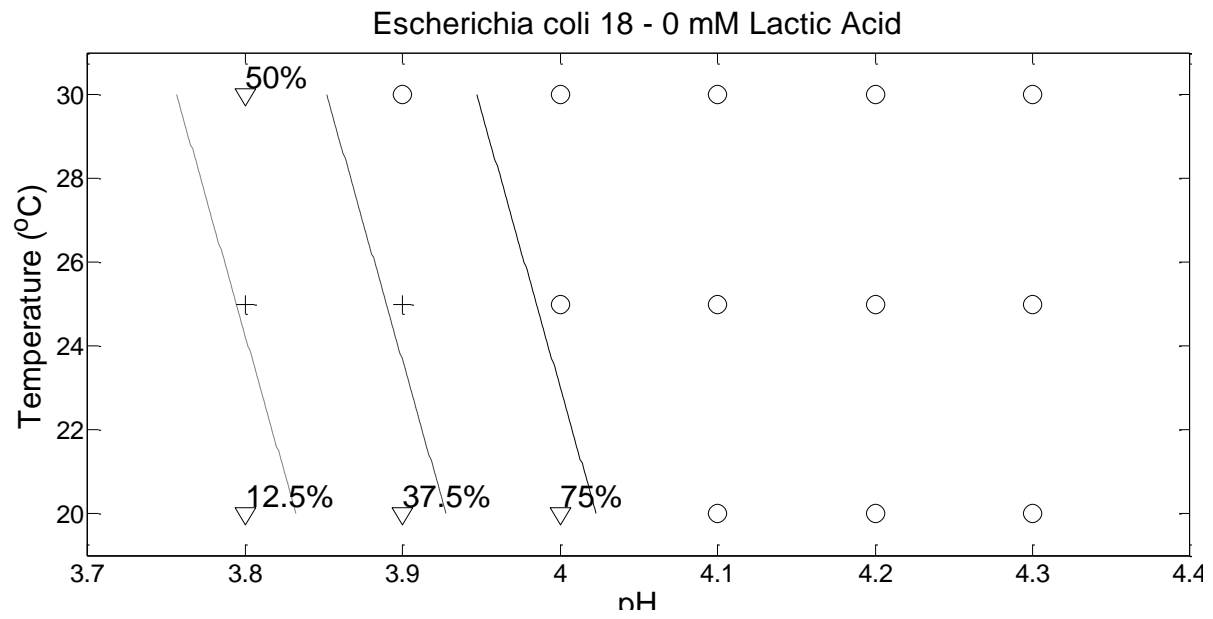
#### 14. *E.coli* EC18 - isolated from compost

Estimate	Std. Error	z value	Pr(> z )	0.025	97.50%	ODD	0.025	97.50%	Estimate
(Intercept)	-94.08	16.44	-5.72	0.00	-131.25	-66.08	0.00	0.00	0.00
pH	23.06	4.03	5.73	0.00	16.20	32.18	1.04E+10	1.09E+07	9.42E+13
Temp	0.17	0.08	2.30	0.02	0.03	0.33	1.19	1.03	1.40
LA	-0.56	0.10	-5.60	0.00	-0.78	-0.39	0.57	0.46	0.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	199.95	
pH	1	13.70	154	186.25	0.00
Temp	1	2.16	153	184.08	0.14
LA	1	107.90	152	76.18	0.00

<b>AIC</b>	84.18
<b>Likelihood Ratio</b>	1.19E-26
<b>Log-Likelihood</b>	-38.09



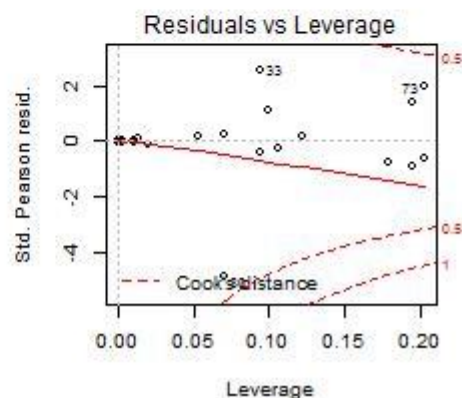
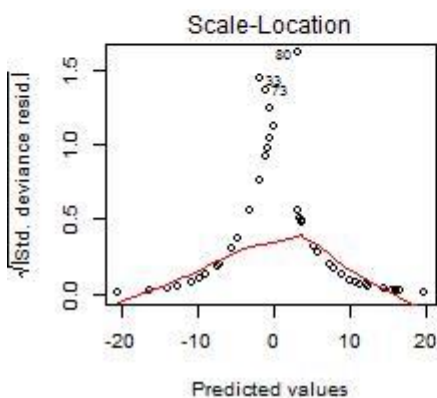
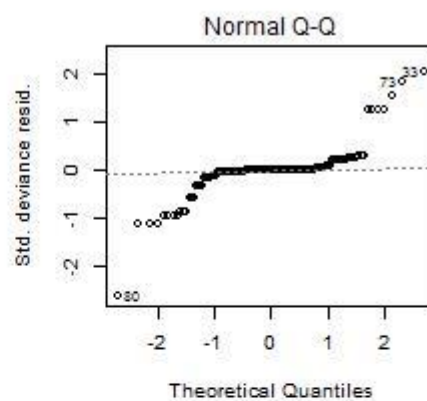
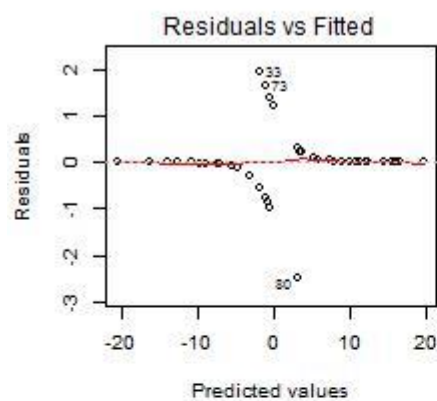


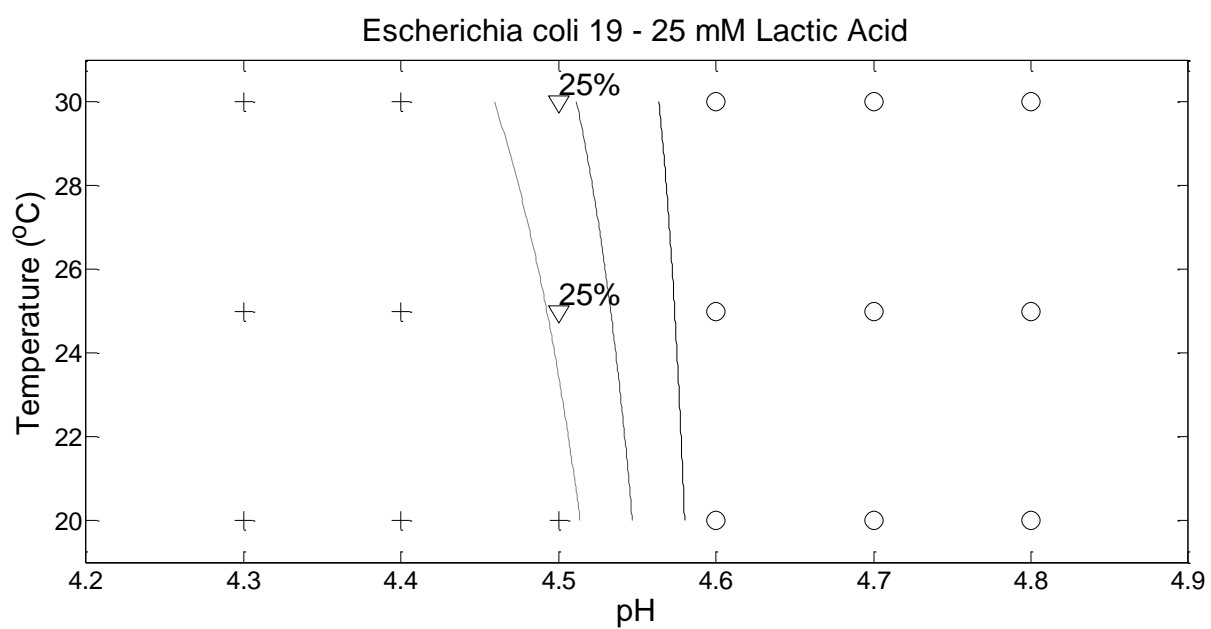
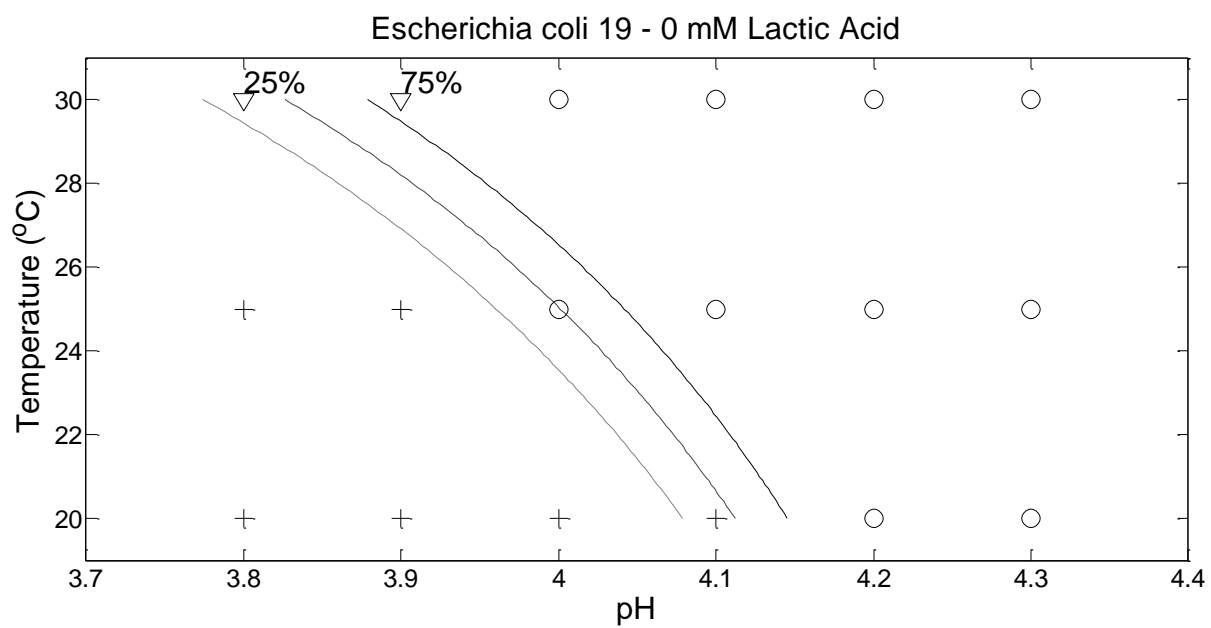
### 15. *E.coli* EC19 - isolated from stream water

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-495.23	149.36	-3.32	0.00	-966.85	-280.93	0.00	0.00	0.00
pH	114.59	34.77	3.30	0.00	64.83	224.66	5.85E+49	1.42E+28	3.69E+97
Temp	11.15	3.71	3.01	0.00	5.72	22.75	6.96E+04	3.04E+02	7.62E+09
LA	-1.15	0.33	-3.54	0.00	-2.11	-0.68	0.32	0.12	0.51
pH:Temp	-2.42	0.83	-2.92	0.00	-5.01	-1.20	0.09	0.01	0.30

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.85	
pH	1	30.93	154	184.92	0.00
Temp	1	12.37	153	172.55	0.00
LA	1	115.94	152	56.61	0.00
pH:Temp	1	25.99	151	30.62	0.00

<b>AIC</b>	40.62
<b>Likelihood Ratio</b>	5.62E-39
<b>Log-Likelihood</b>	-15.31



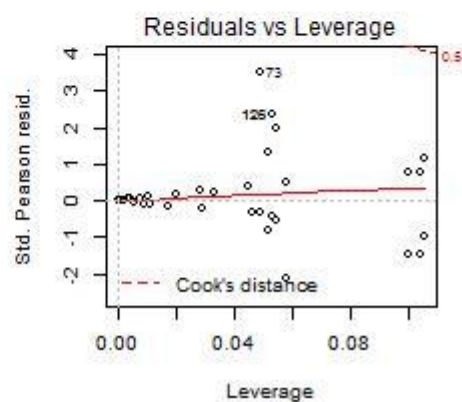
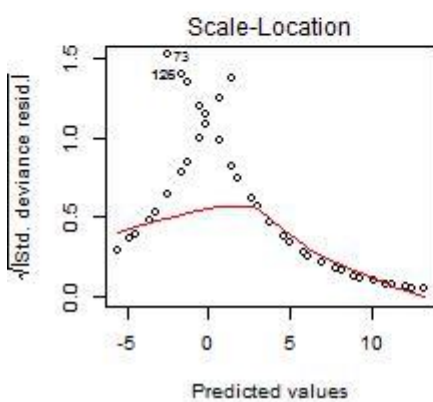
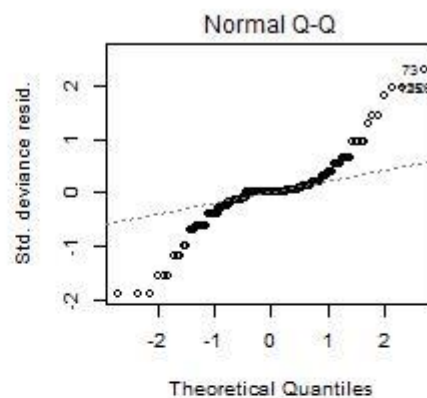
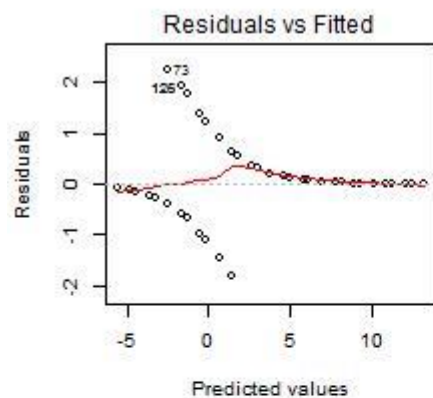


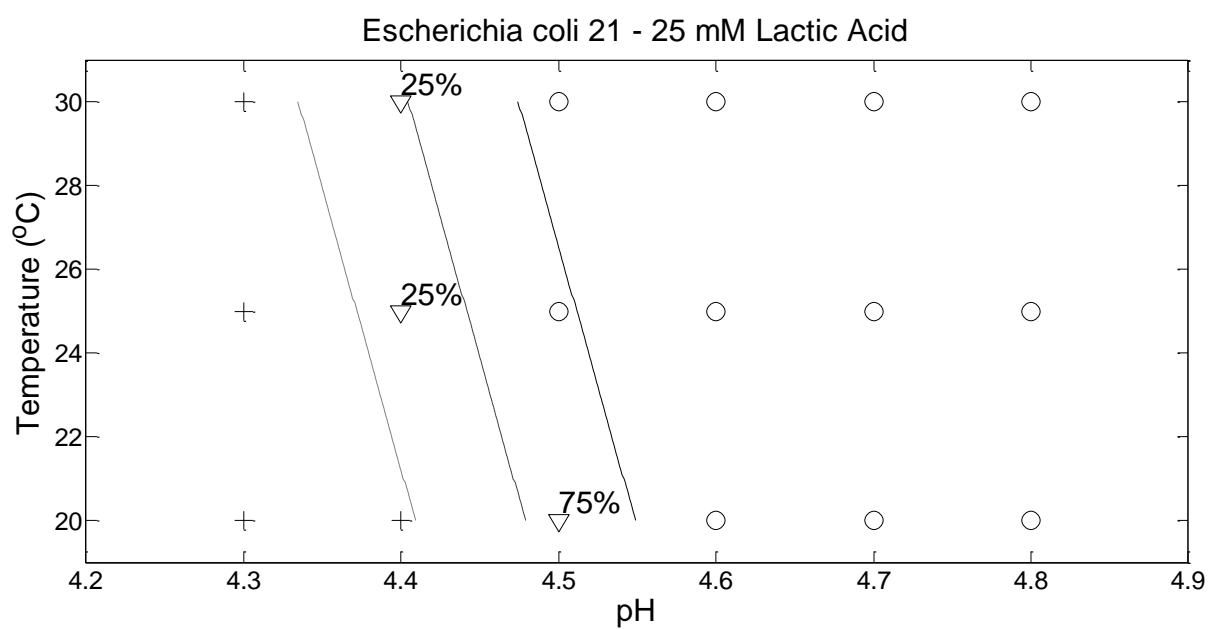
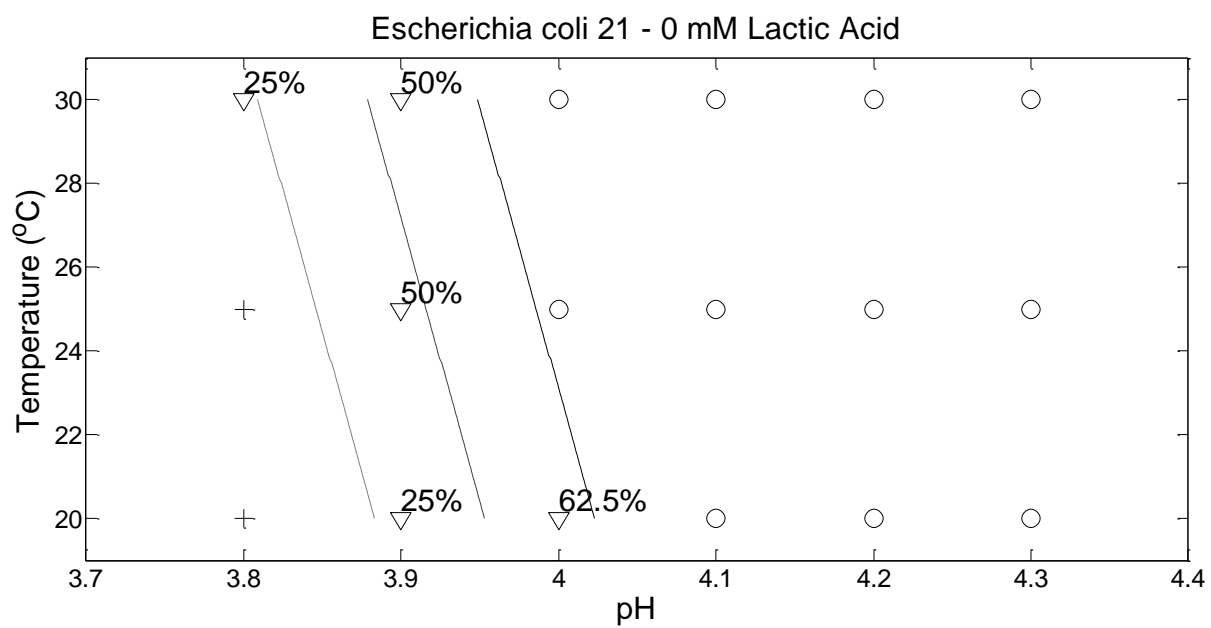
## 16. *E.coli* EC21 - isolated from stream water

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-129.01	24.75	-5.21	0.00	-186.43	-87.93	0.00	0.00	0.00
pH	31.45	6.02	5.22	0.00	21.45	45.40	4.56E+13	2.06E+09	5.21E+19
Temp	0.23	0.09	2.53	0.01	0.07	0.43	1.26	1.07	1.54
LA	-0.66	0.13	-5.10	0.00	-0.96	-0.45	0.52	0.38	0.64

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	30.55	154	166.62	0.00
Temp	1	2.54	153	164.08	0.11
LA	1	106.59	152	57.49	0.00

<b>AIC</b>	65.49
<b>Likelihood Ratio</b>	4.41E-30
<b>Log-Likelihood</b>	-28.74





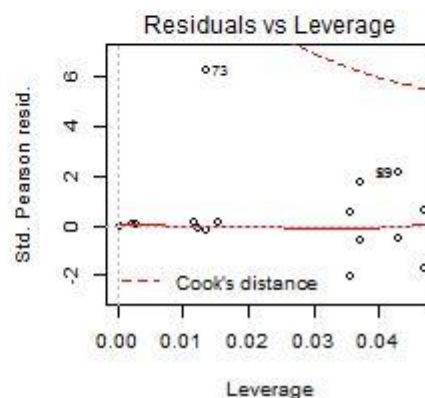
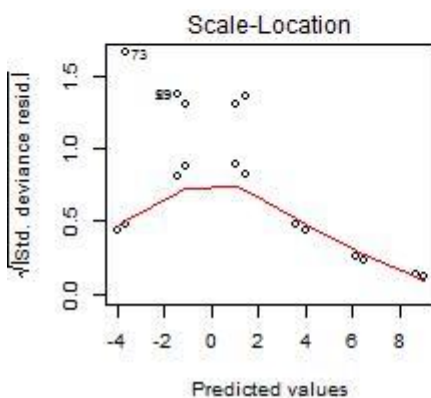
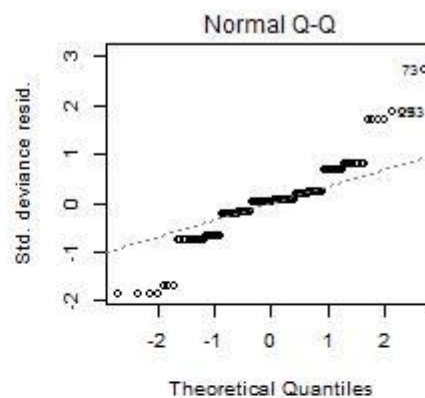
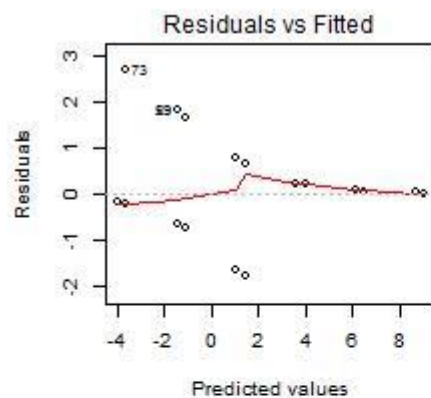


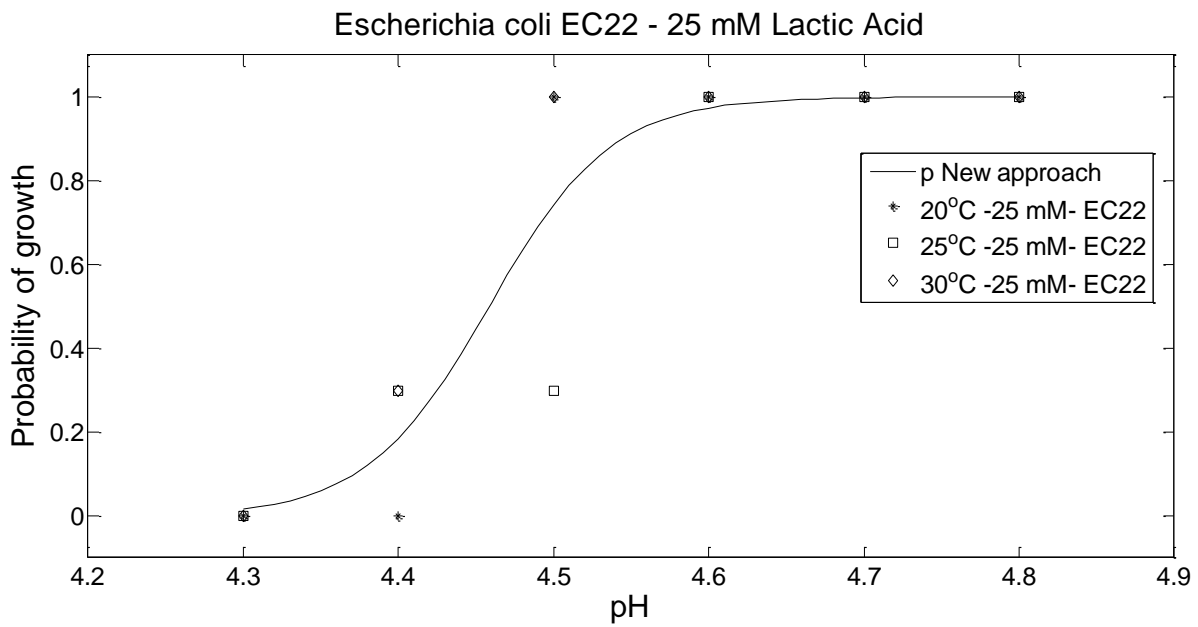
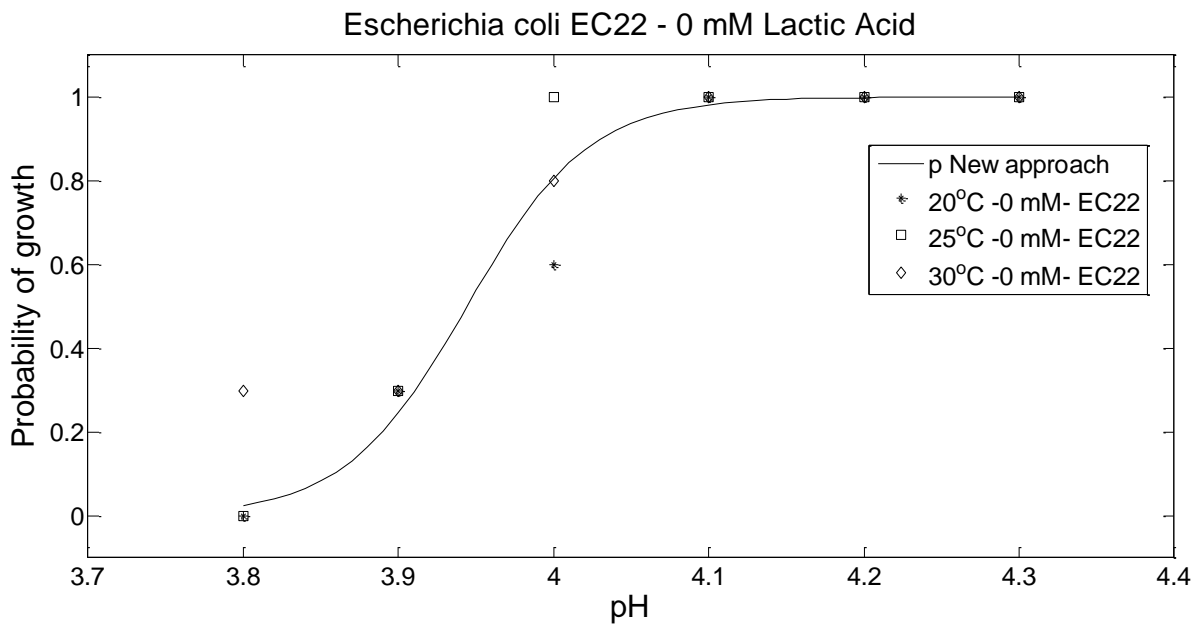
### 17. *E.coli* EC22 - isolated from stream water

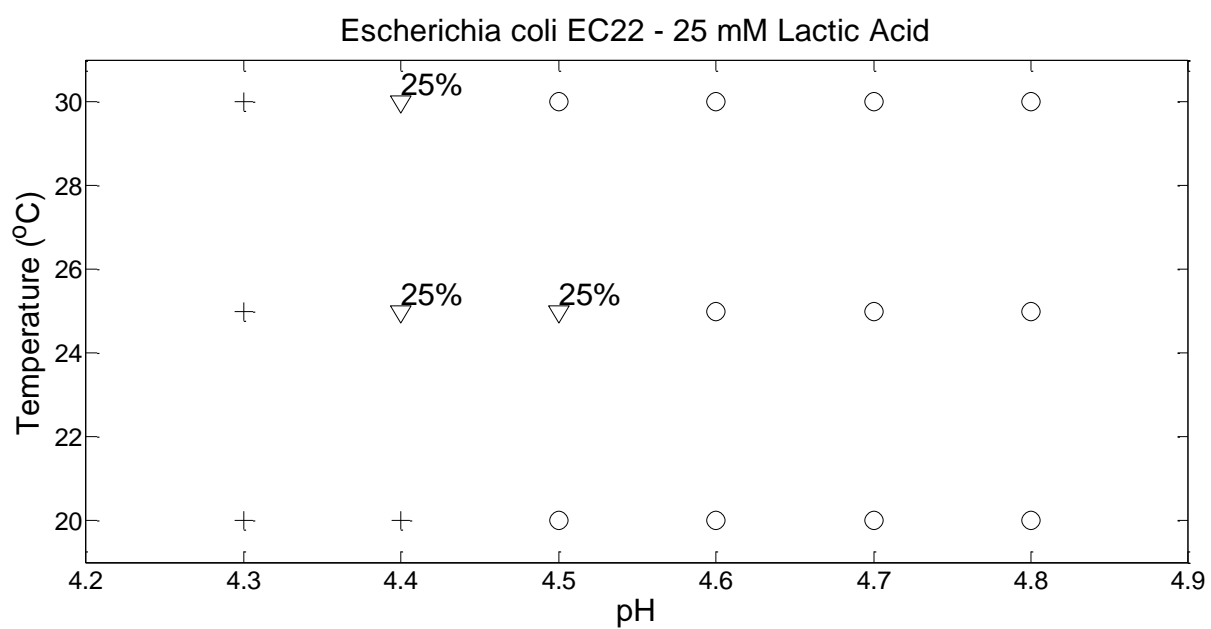
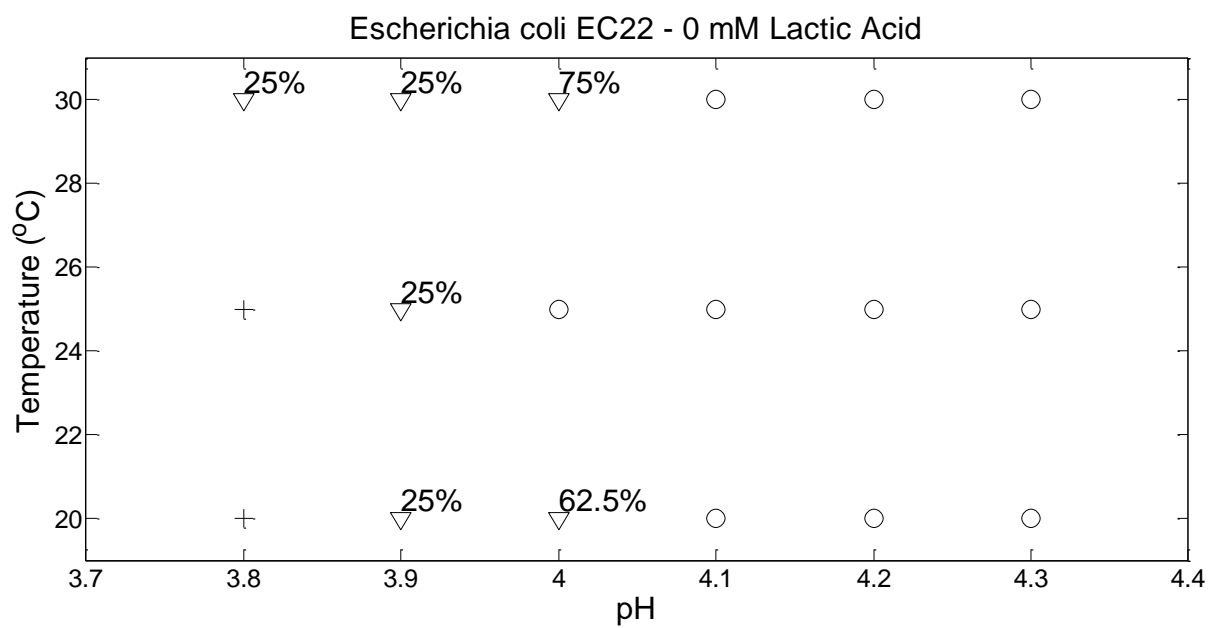
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-100.48	17.40	-5.77	0.00	-139.60	-70.86	0.00	0.00	0.00
pH	25.48	4.41	5.77	0.00	17.97	35.40	1.16E+11	6.37E+07	2.37E+15
LA	-0.52	0.09	-5.54	0.00	-0.74	-0.36	0.59	0.48	0.70

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	203.68	
pH	1	32.58	154	171.10	0.00
LA	1	100.72	153	70.38	0.00

<b>AIC</b>	76.38
<b>Likelihood Ratio</b>	1.13E-29
<b>Log-Likelihood</b>	-35.19







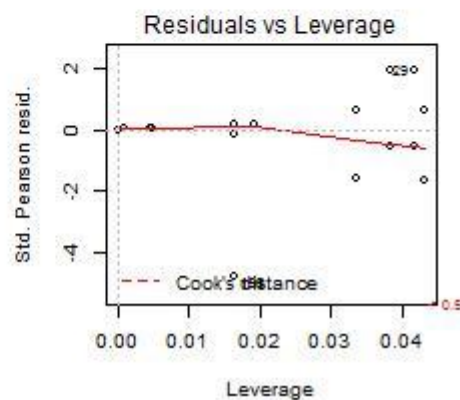
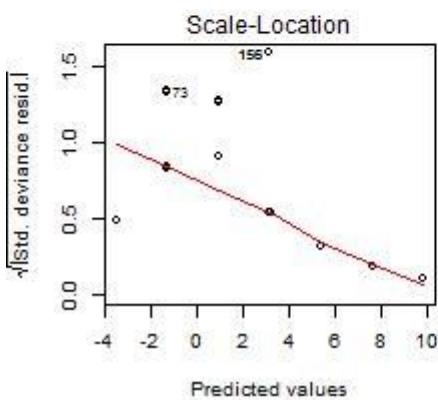
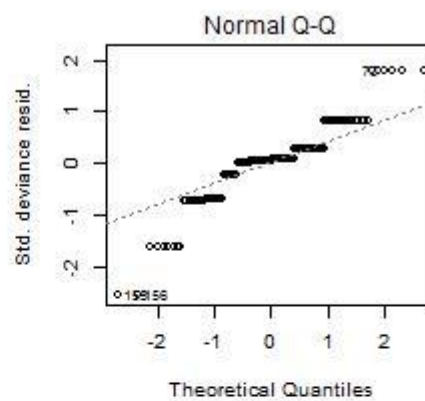
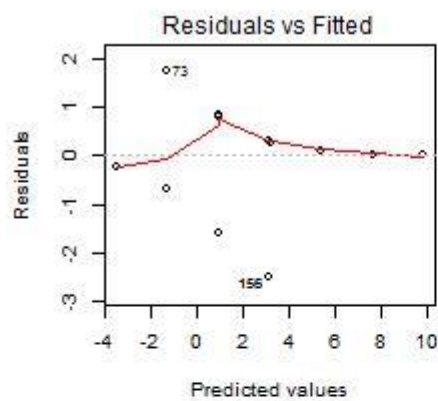


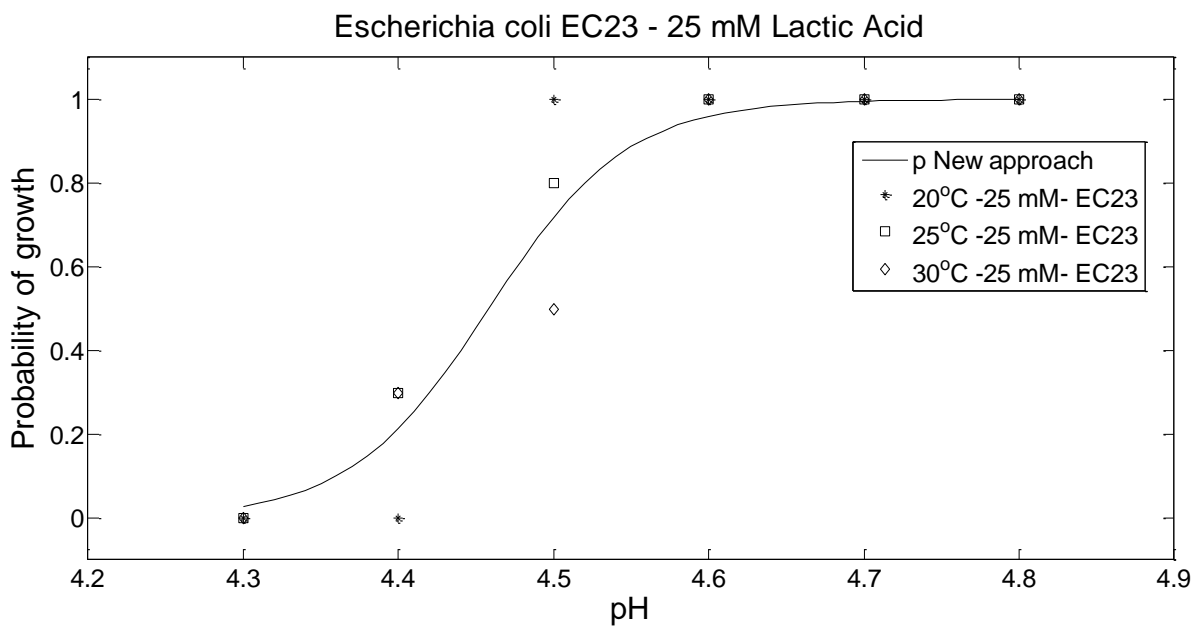
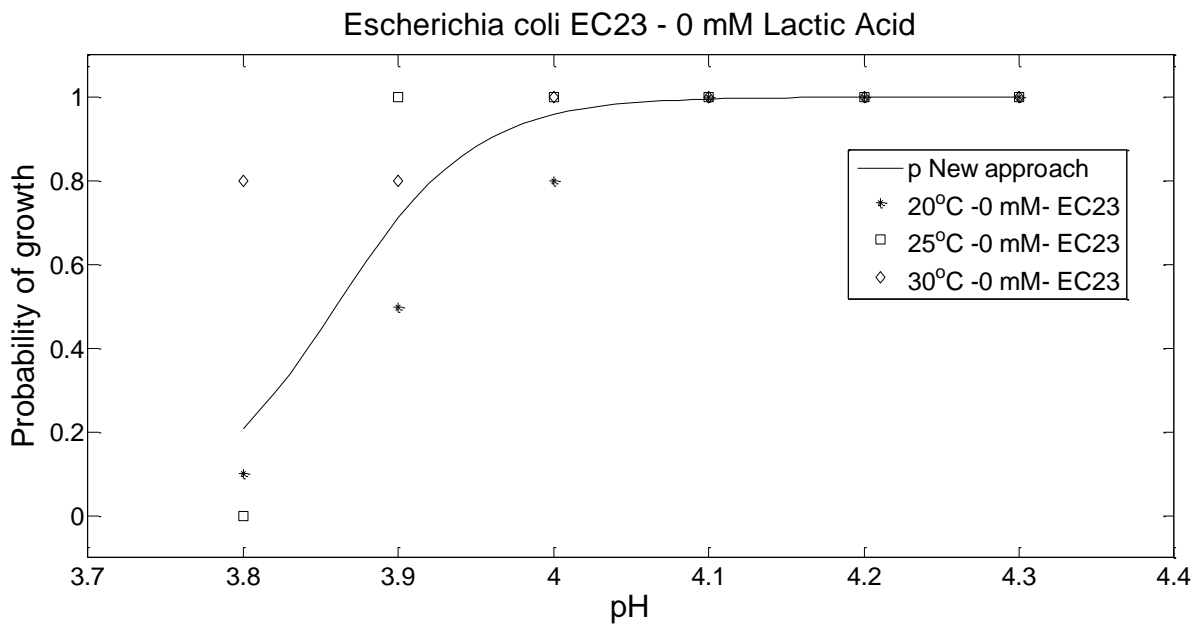
### 18. *E.coli* EC23 - isolated from chicken meat

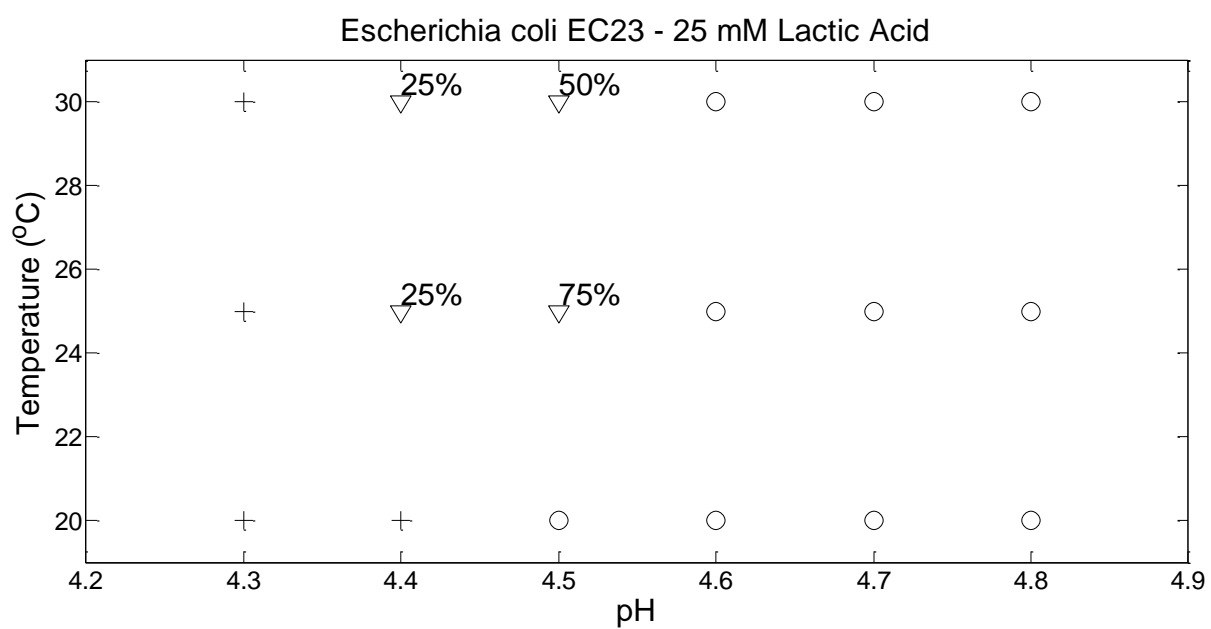
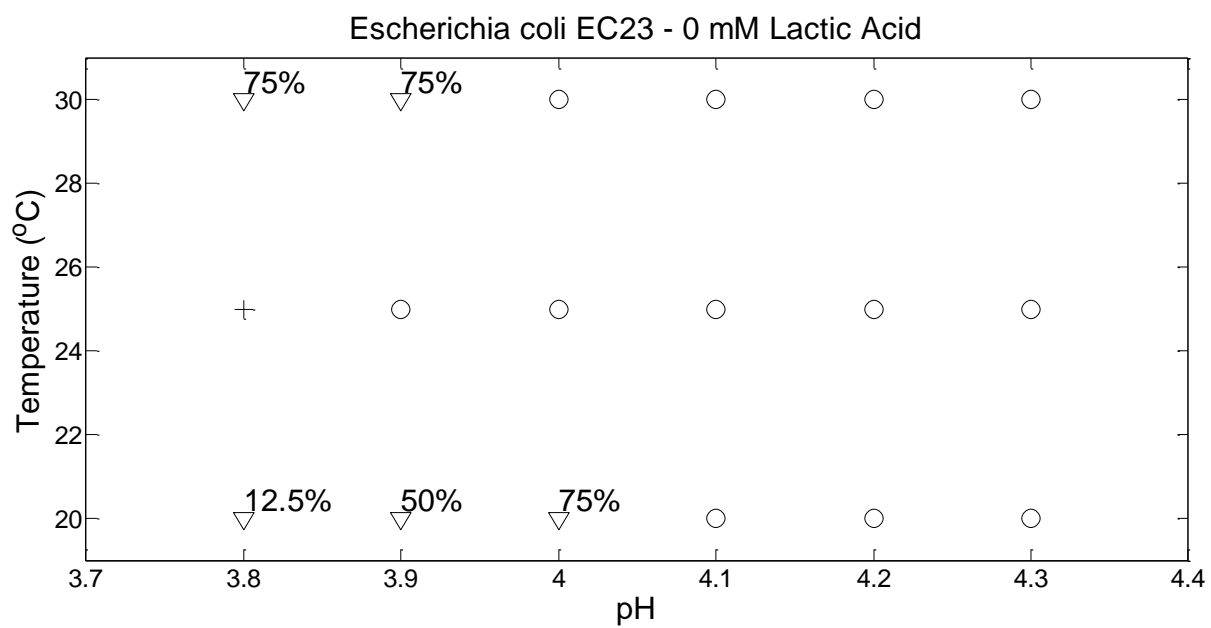
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-86.28	15.46	-5.58	0.00	-120.84	-59.75	0.00	0.00	0.00
pH	22.35	3.99	5.60	0.00	15.51	31.28	5.11E+09	5.46E+06	3.86E+13
LA	-0.54	0.10	-5.53	0.00	-0.75	-0.37	0.59	0.47	0.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	183.70	
pH	1	9.60	154	174.11	0.00
LA	1	97.47	153	76.64	0.00

<b>AIC</b>	82.64
<b>Likelihood Ratio</b>	5.64E-24
<b>Log-Likelihood</b>	-38.32









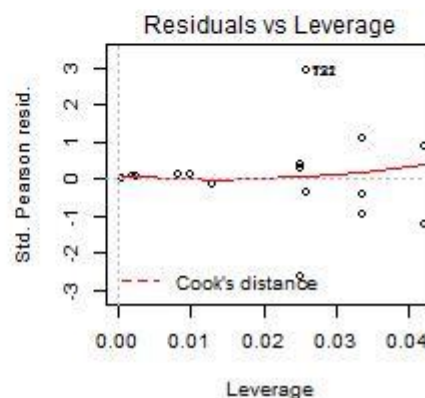
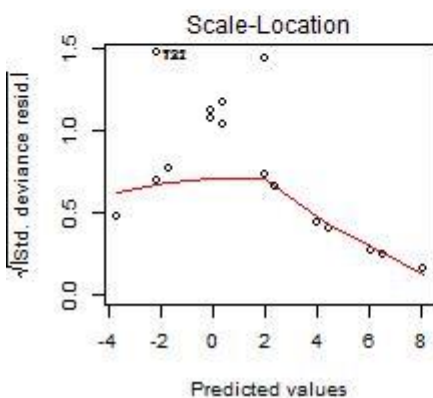
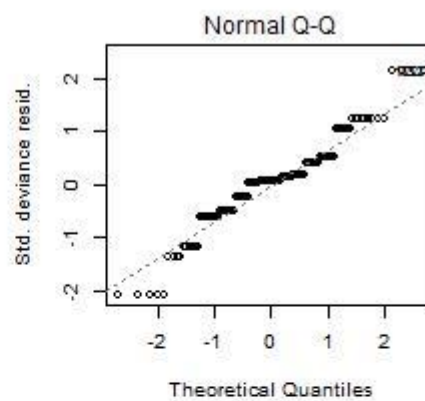
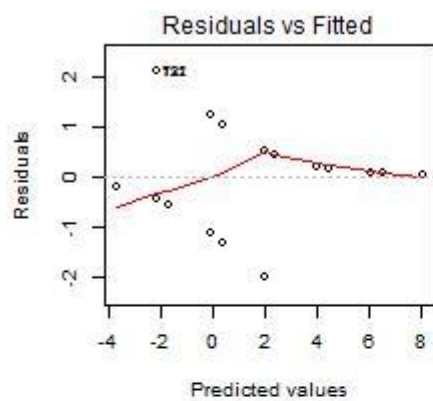


### 19. *E.coli* EC25 - isolated from mud

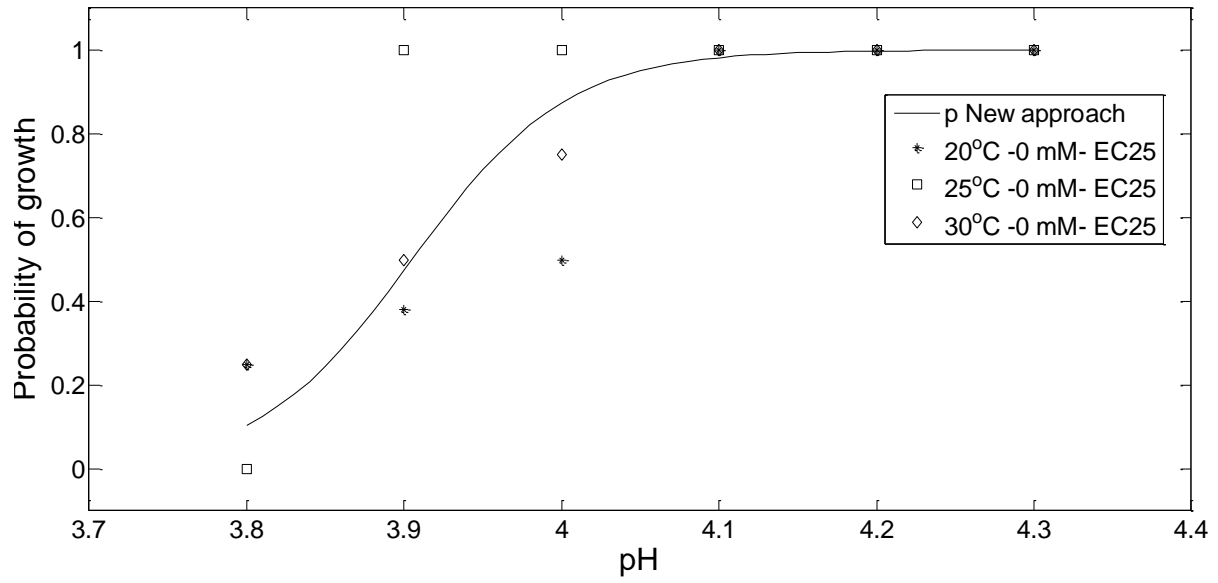
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-79.72	13.38	-5.96	0.00	-109.81	-56.70	0.00	0.00	0.00
pH	20.42	3.42	5.97	0.00	14.53	28.11	7.35E+08	2.05E+06	1.62E+12
LA	-0.47	0.08	-5.78	0.00	-0.66	-0.33	0.62	0.52	0.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	199.95	
pH	1	15.93	154	184.02	0.00
LA	1	98.33	153	85.69	0.00

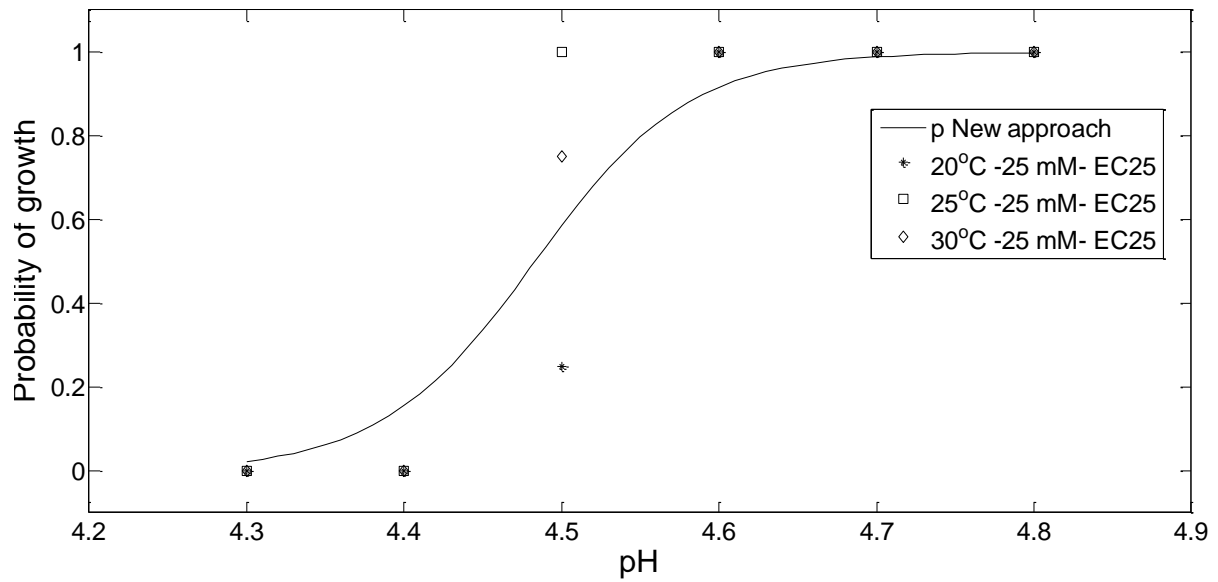
<b>AIC</b>	91.69
<b>Likelihood Ratio</b>	1.54E-25
<b>Log-Likelihood</b>	-42.84

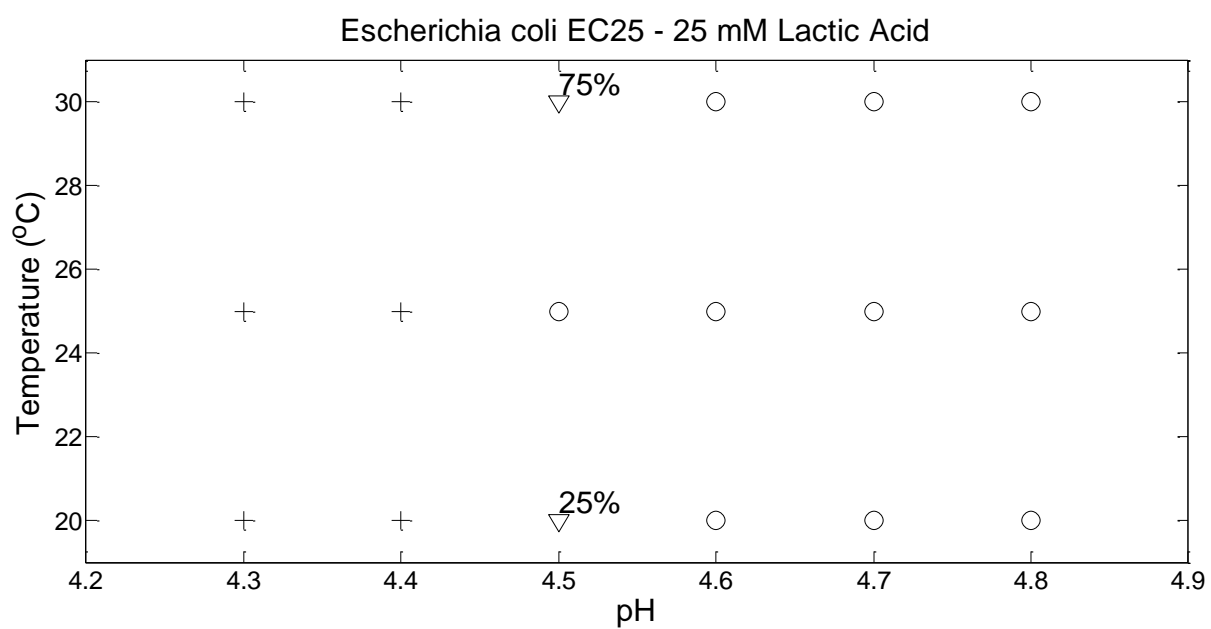
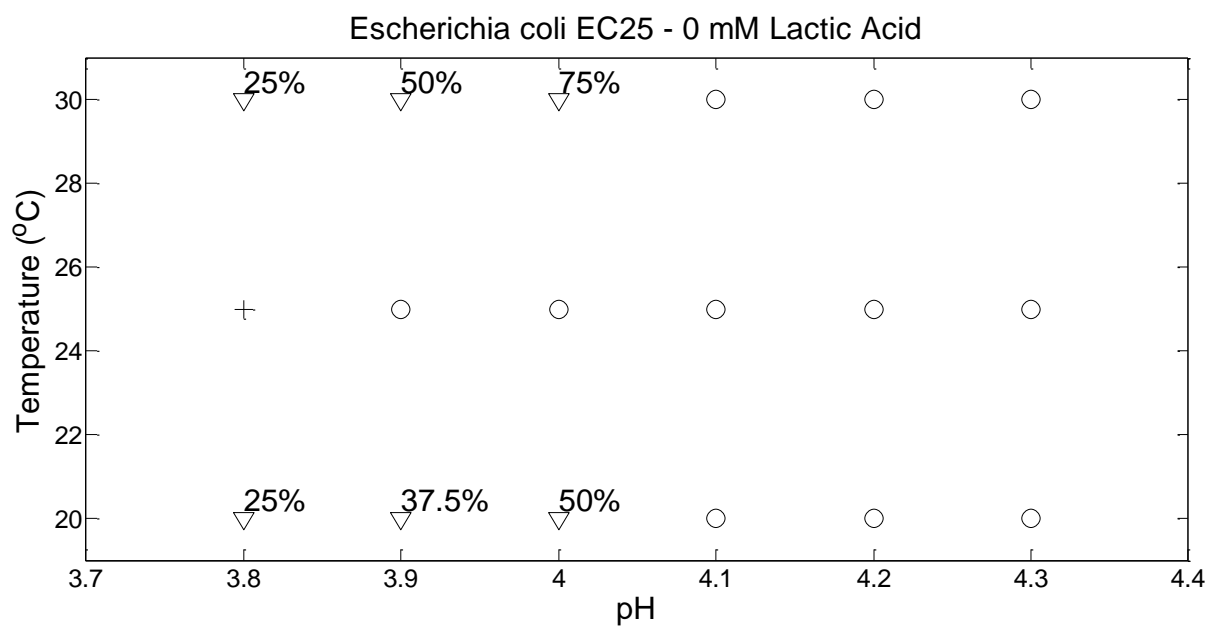


Escherichia coli EC25 - 0 mM Lactic Acid



Escherichia coli EC25 - 25 mM Lactic Acid





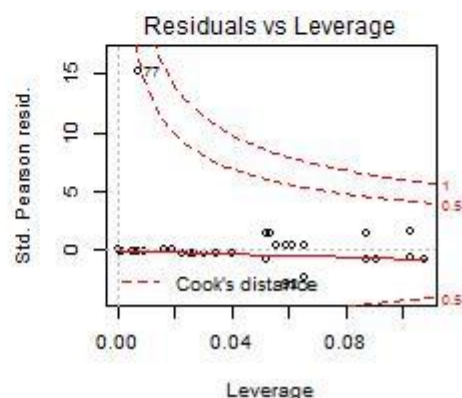
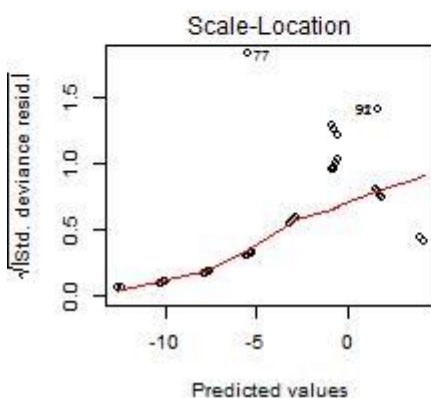
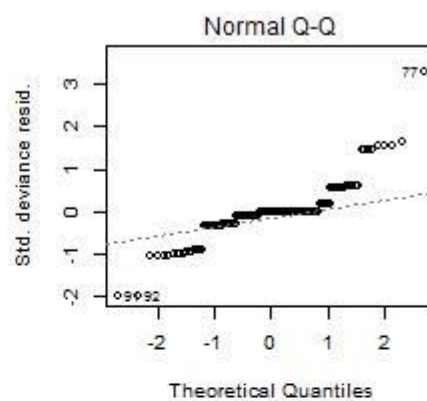
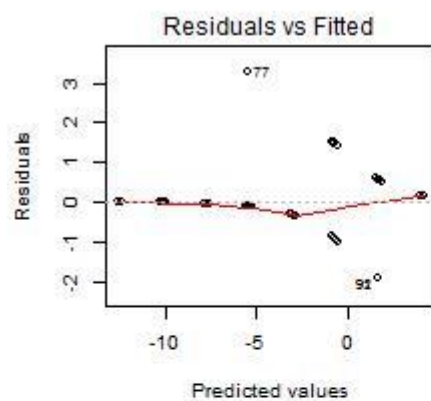


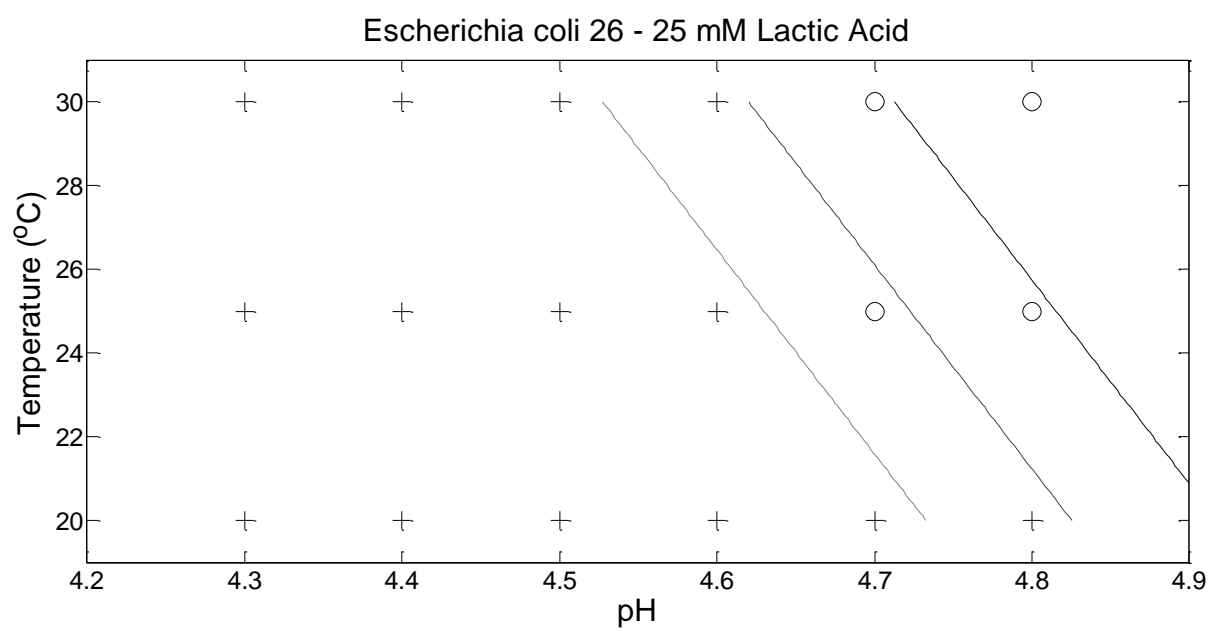
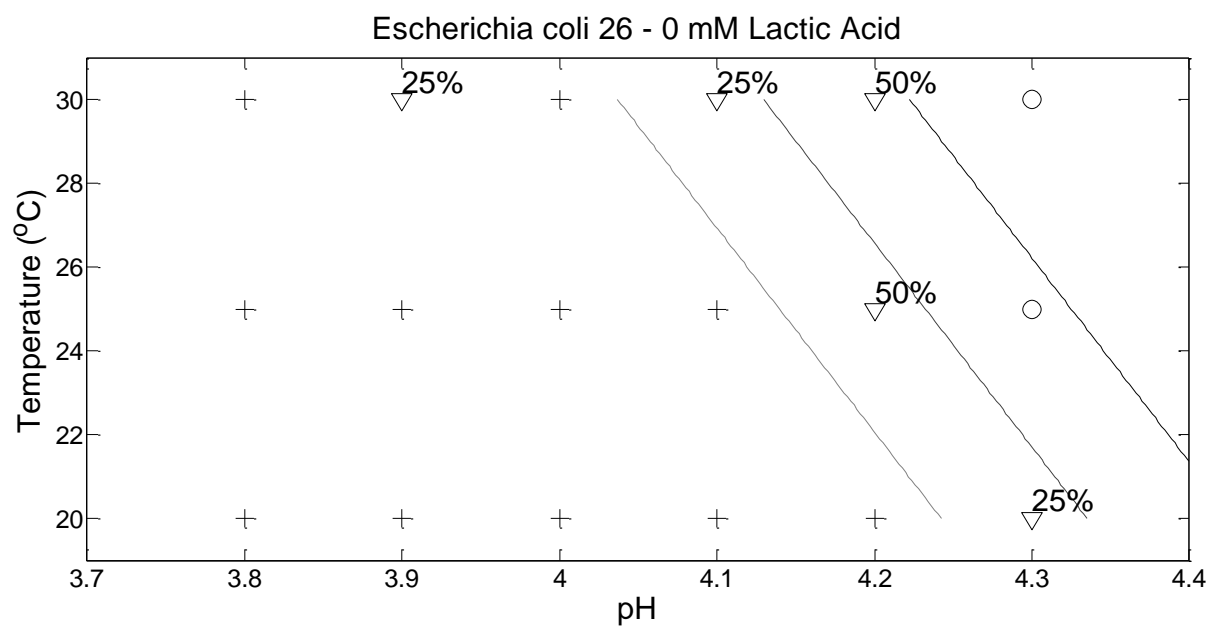
## 20. *E.coli* EC26 - isolated from soil

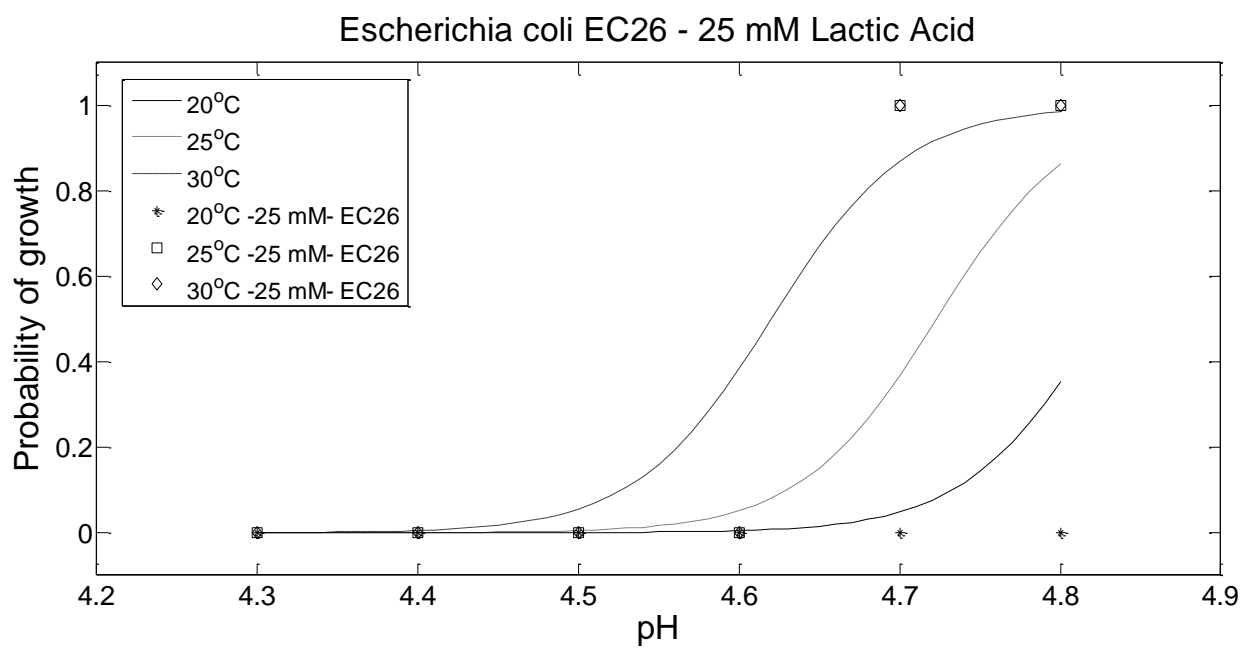
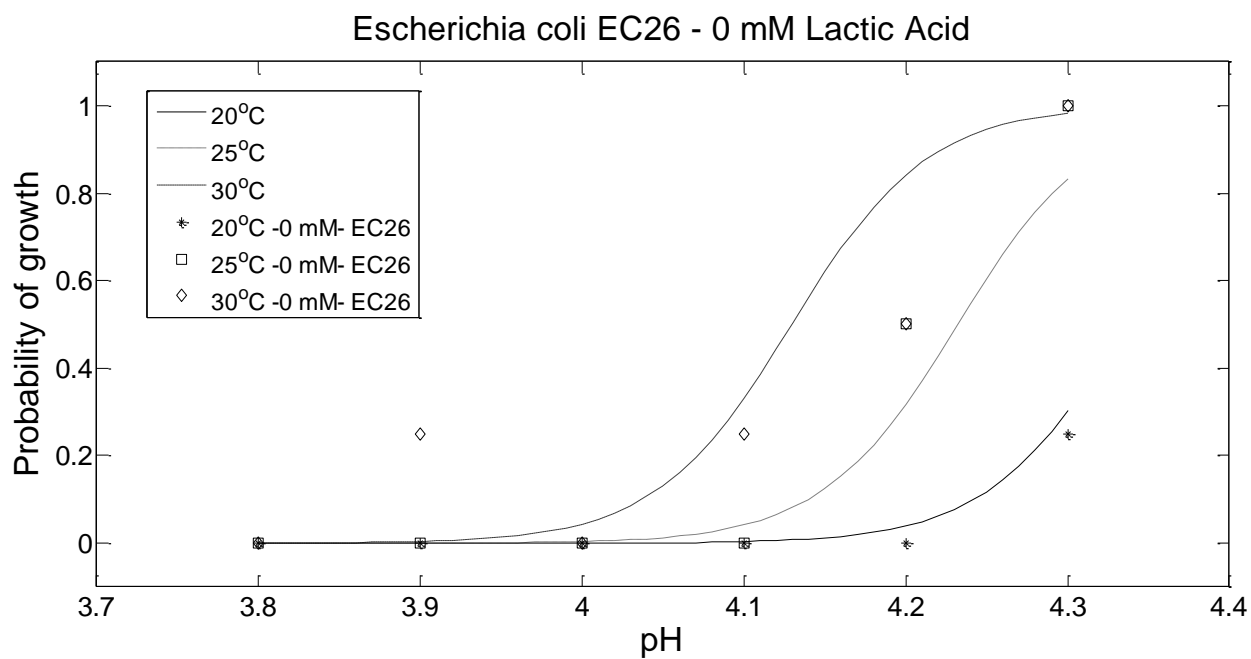
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
Intercept	-112.54	23.75	-4.74	0.00	-168.77	-73.69	0.00	0.00	0.00
pH	23.71	5.12	4.63	0.00	15.30	35.81	1.99E+10	4.43E+06	3.57E+15
LA	-0.47	0.10	-4.45	0.00	-0.71	-0.29	0.63	0.49	0.75
Temp	0.49	0.12	4.08	0.00	0.28	0.76	1.63	1.32	2.13

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	155.57	
pH	1	22.61	154	132.96	0.00
LA	1	47.10	153	85.86	0.00
Temp	1	29.71	152	56.15	0.00

<b>AIC</b>	64.15
<b>Likelihood Ratio</b>	2.08E-21
<b>Log-Likelihood</b>	-28.08









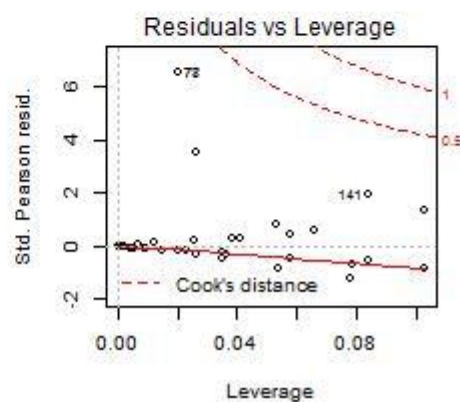
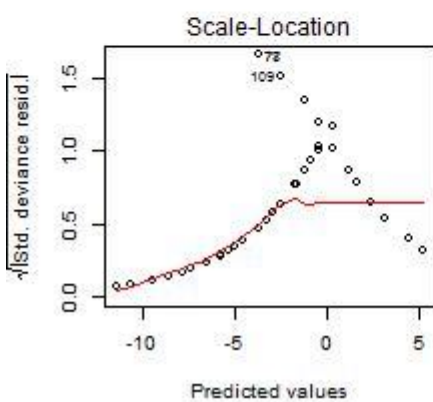
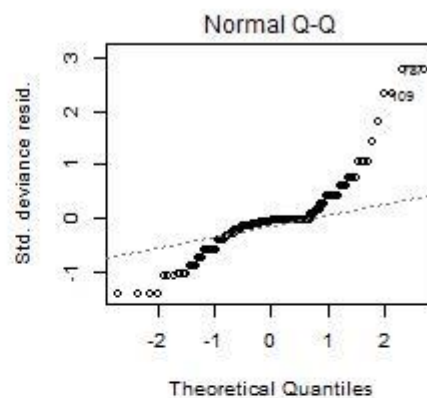
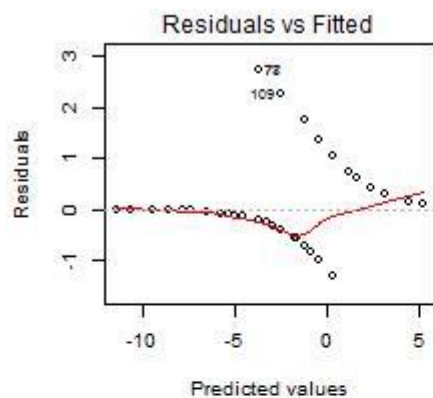


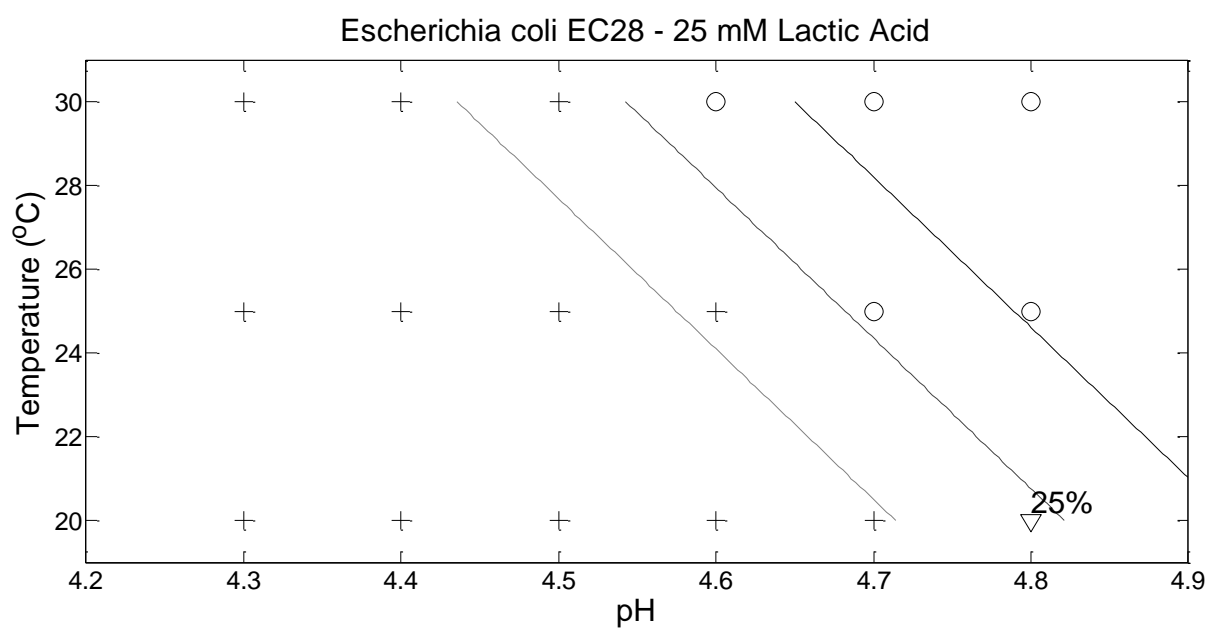
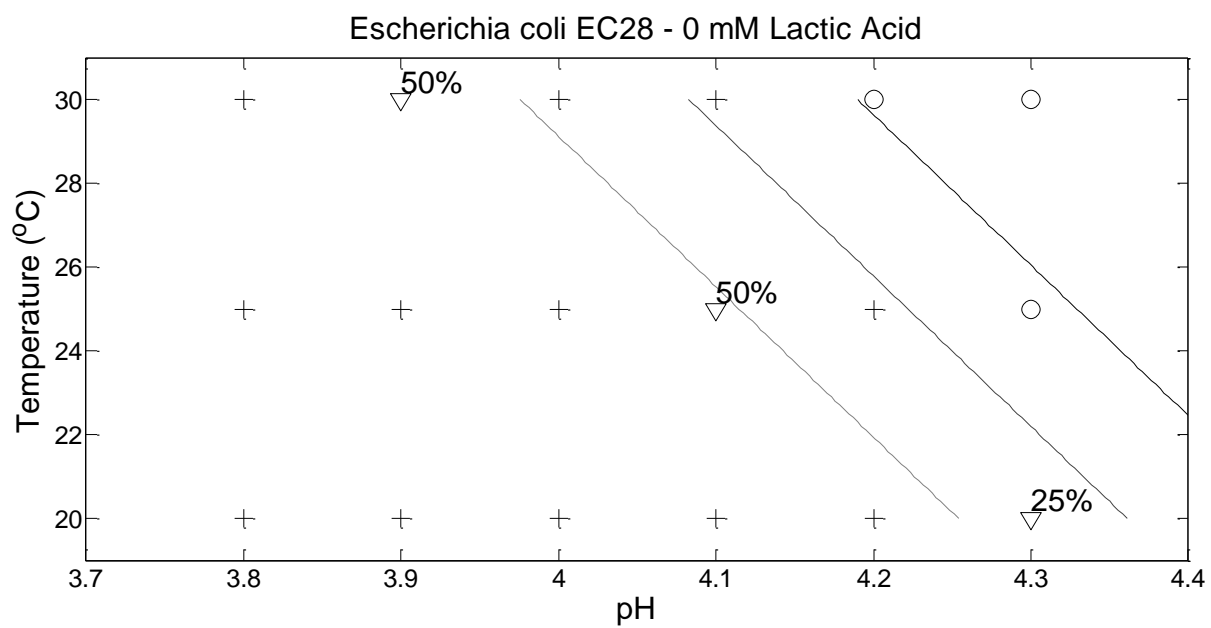
## 21. *E.coli* EC28 - isolated from soil

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-100.81	19.63	-5.14	0.00	-146.38	-68.14	0.00	0.00	0.00
pH	20.50	4.11	4.99	0.00	13.63	30.03	8.00E+08	8.31E+05	1.10E+13
Temp	0.57	0.12	4.64	0.00	0.36	0.85	1.77	1.43	2.33
LA	-0.38	0.08	-4.64	0.00	-0.56	-0.24	0.69	0.57	0.79

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	173.22	
pH	1	27.54	154	145.68	0.00
Temp	1	29.28	153	116.40	0.00
LA	1	53.15	152	63.25	0.00

<b>AIC</b>	71.25
<b>Likelihood Ratio</b>	1.11E-23
<b>Log-Likelihood</b>	-31.62



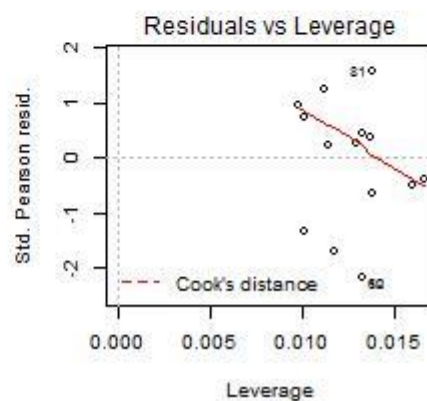
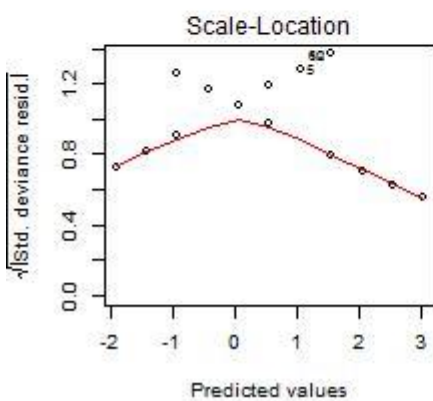
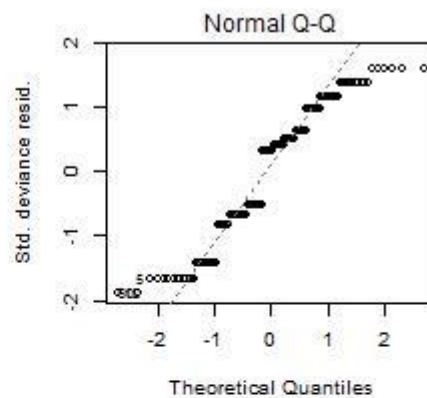
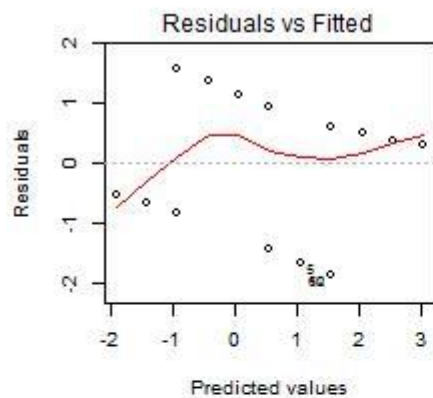


## 22. *E.coli* EC30 - isolated from sewerage system

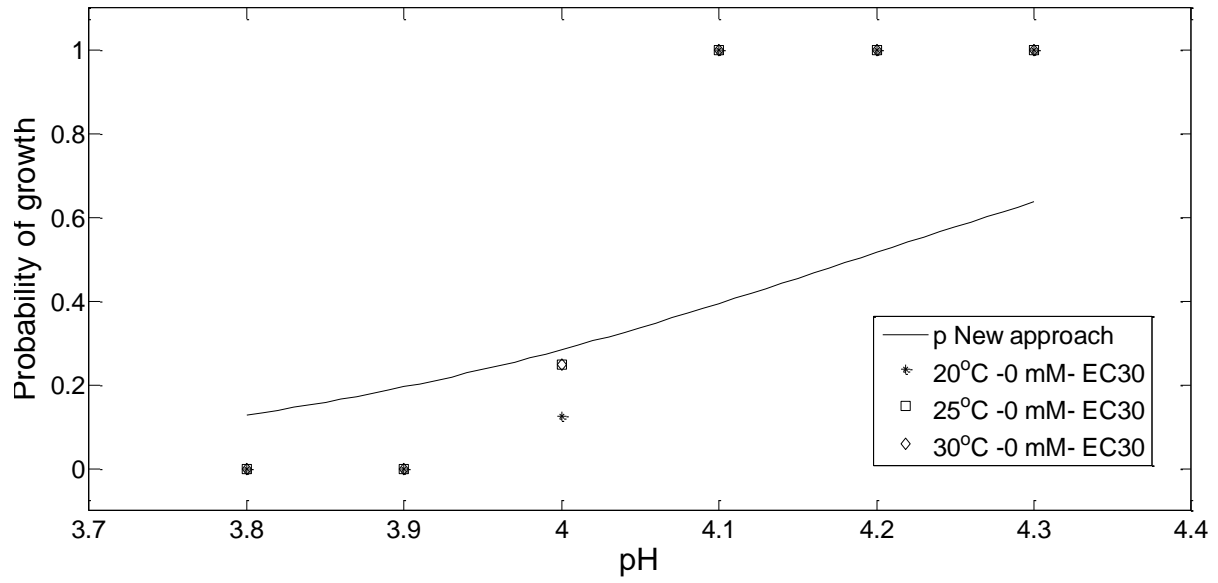
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-20.66	3.38	-6.12	0.00	-27.78	-14.46	0.00	0.00	0.00
pH	4.94	0.80	6.17	0.00	3.47	6.62	139.20	32.12	753.12

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.69	
pH	1	58.06	154	155.63	0.00

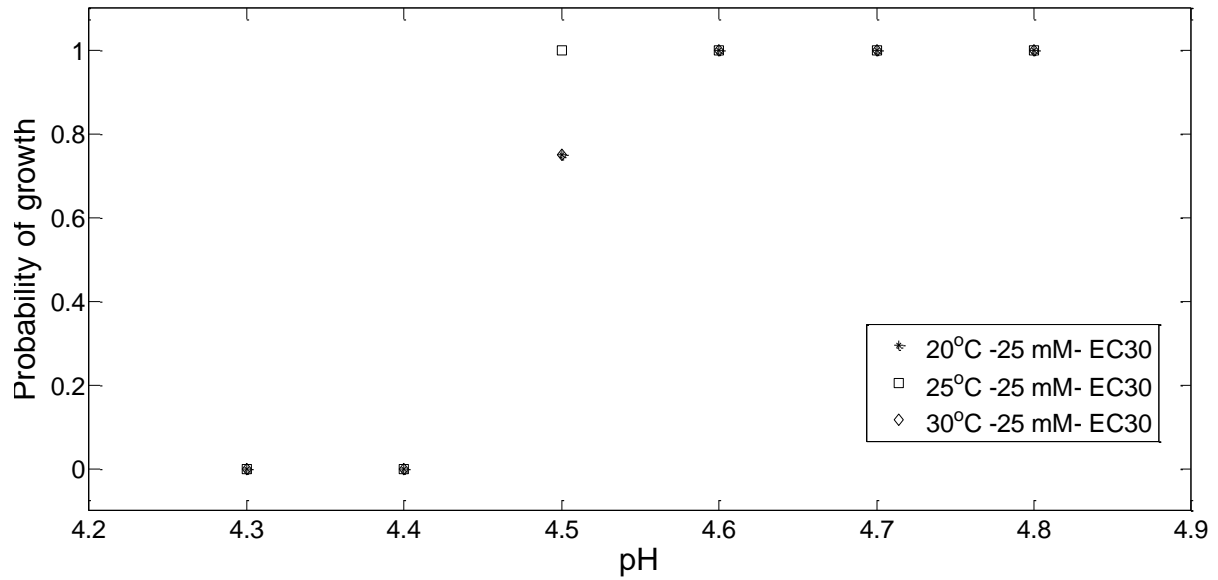
<b>AIC</b>	159.63
<b>Likelihood Ratio</b>	2.55E-14
<b>Log-Likelihood</b>	-77.82

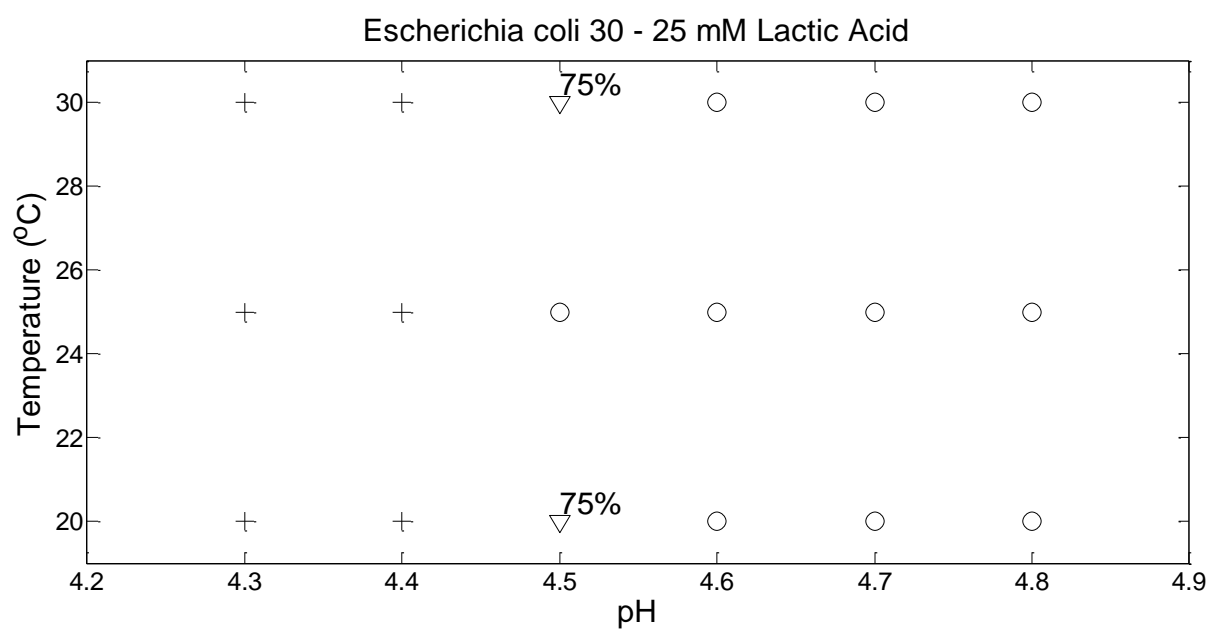
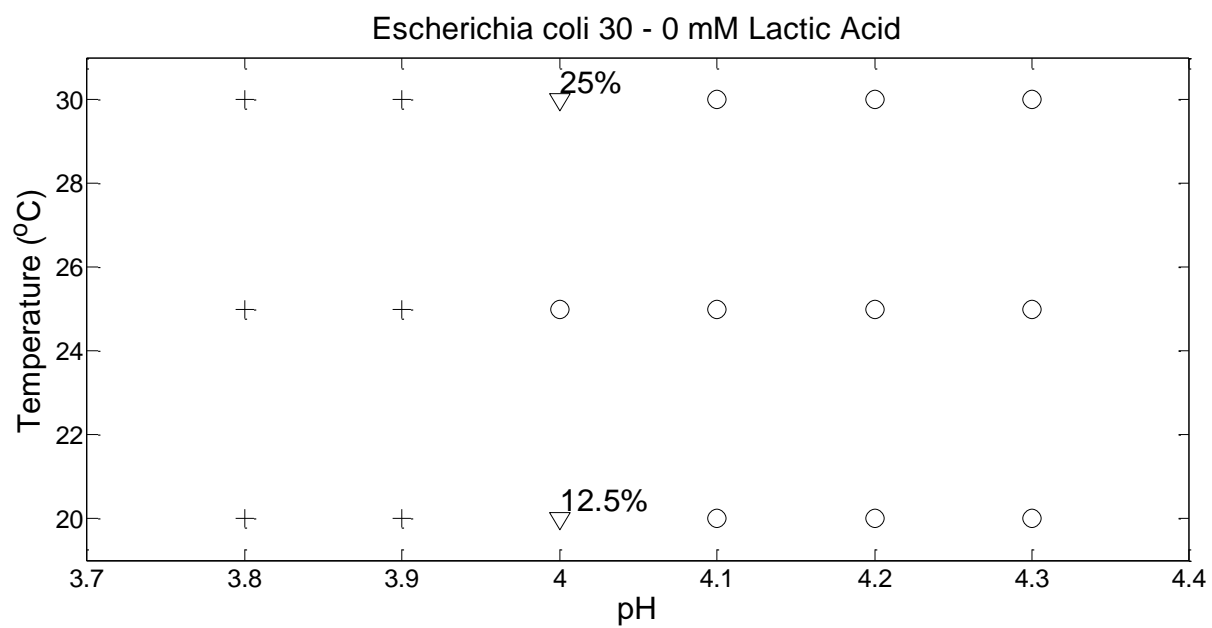


Escherichia coli EC30 - 0 mM Lactic Acid



Escherichia coli EC30 - 25 mM Lactic Acid





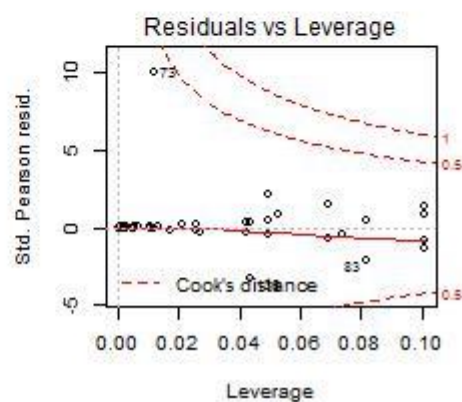
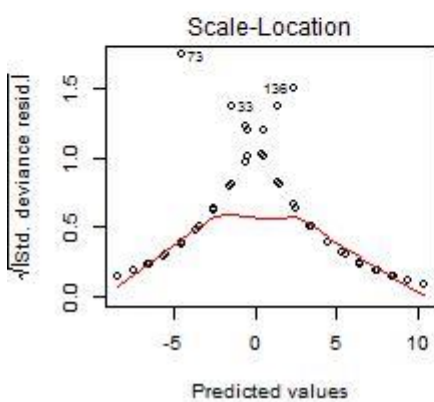
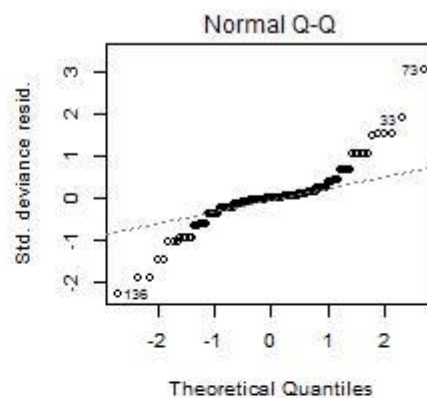
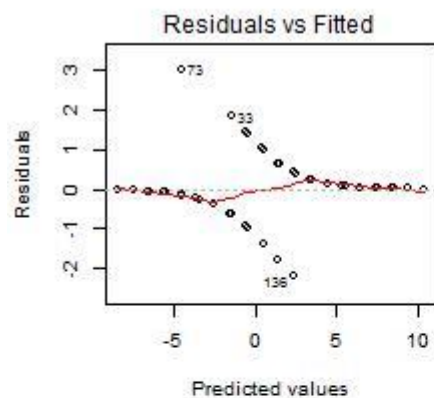


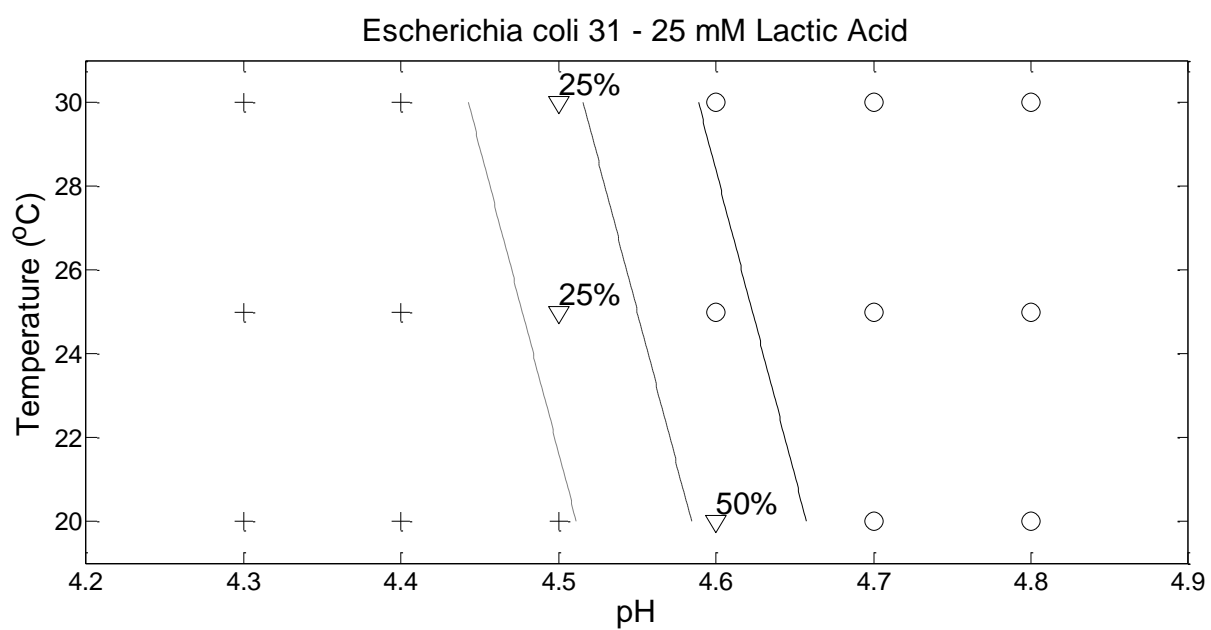
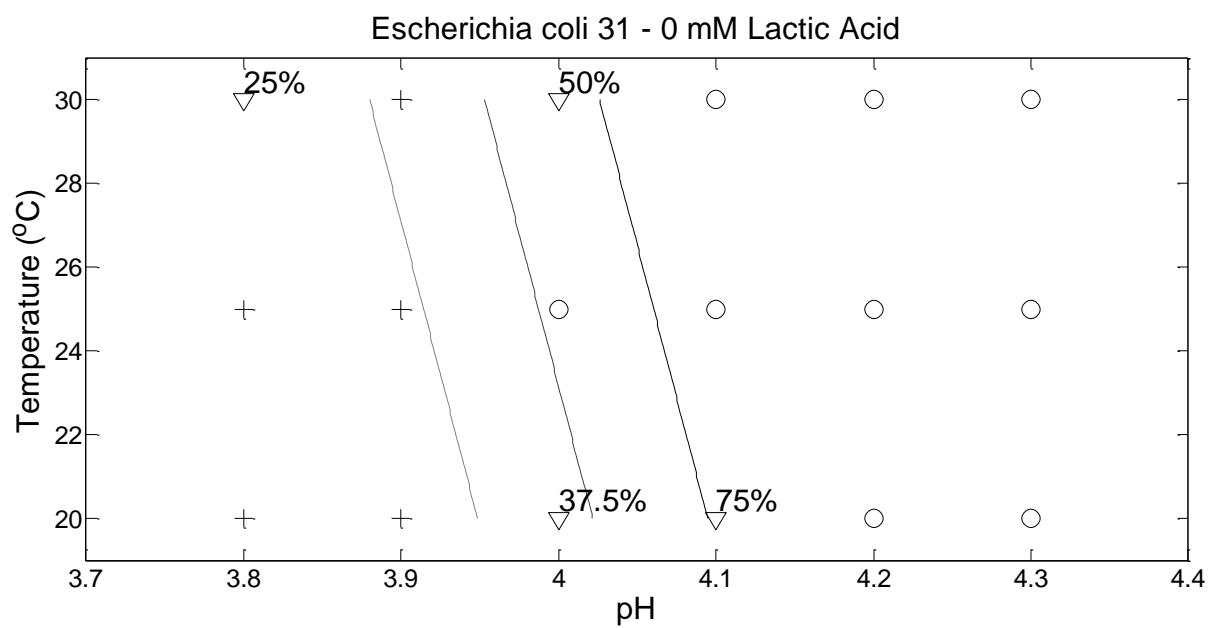
### 23. *E.coli* EC31 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-125.06	23.75	-5.27	0.00	-181.03	-86.17	0.00	0.00	0.00
pH	30.07	5.73	5.25	0.00	20.70	43.56	1.15E+13	9.75E+08	8.28E+18
LA	-0.68	0.13	-5.09	0.00	-0.99	-0.46	0.51	0.37	0.63
Temp	0.21	0.09	2.34	0.02	0.04	0.39	1.23	1.04	1.48

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.03	
pH	1	28.81	154	187.22	0.00
LA	1	122.29	153	64.93	0.00
Temp	1	6.33	152	58.60	0.01

<b>AIC</b>	66.60
<b>Likelihood Ratio</b>	6.57E-34
<b>Log-Likelihood</b>	-29.30





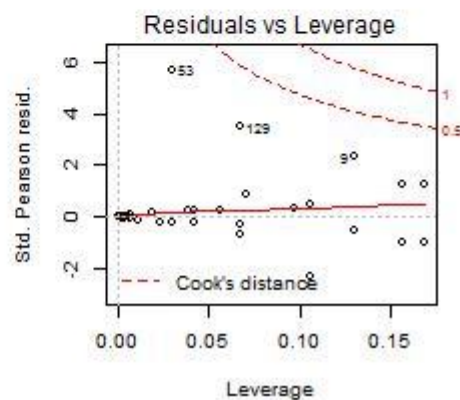
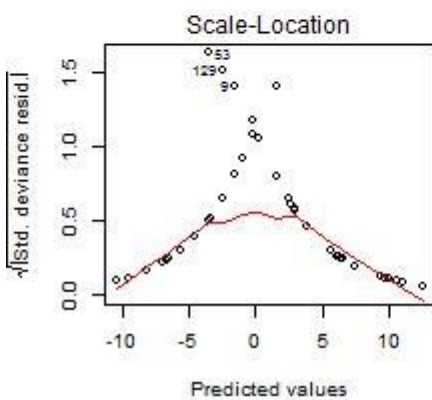
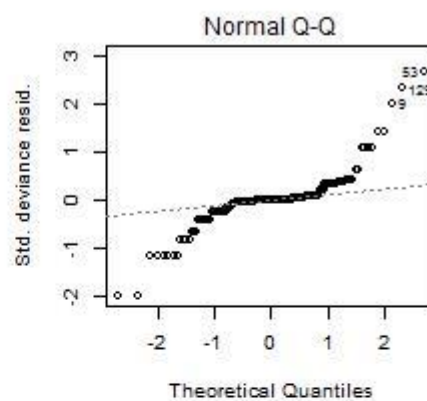
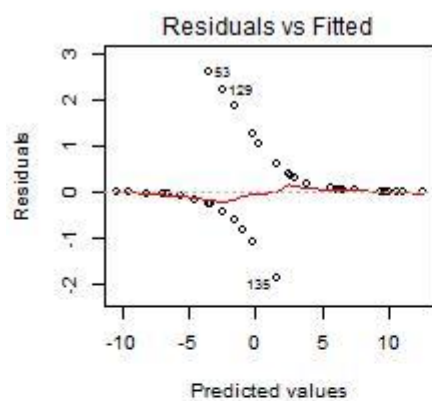


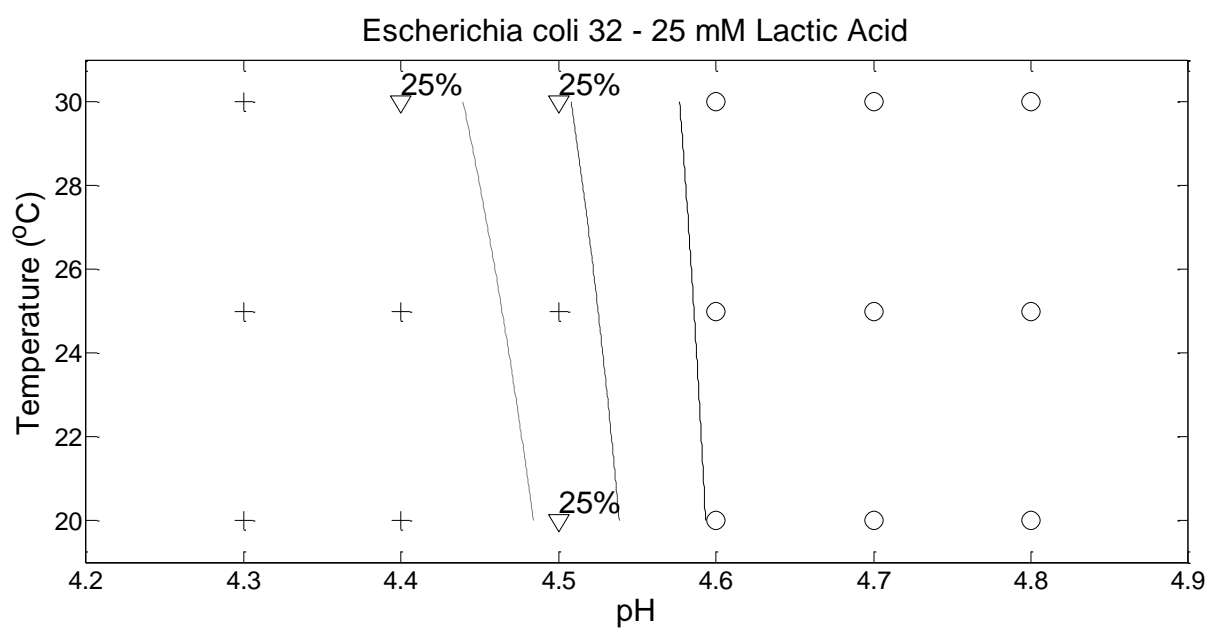
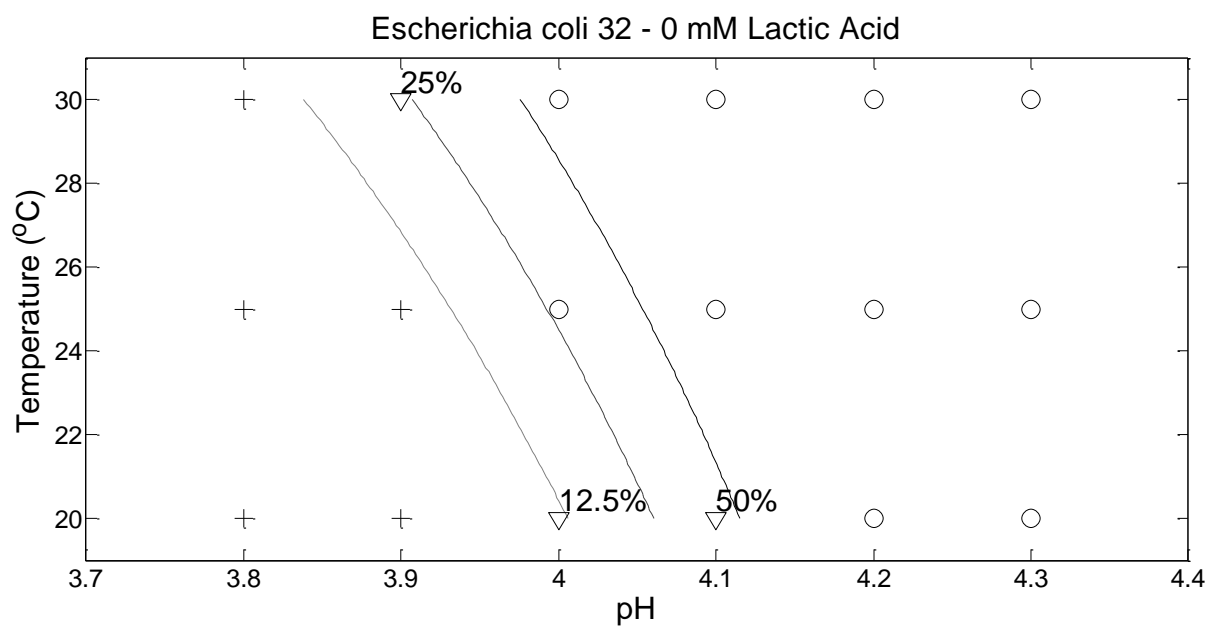
## 24. *E.coli* EC32 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-239.62	60.17	-3.98	0.00	-385.04	-140.30	0.00	0.00	0.00
pH	56.60	14.23	3.98	0.00	33.10	90.95	3.80E+24	2.38E+14	3.17E+39
LA	-0.77	0.16	-4.77	0.00	-1.15	-0.51	0.46	0.32	0.60
Temp	3.83	1.61	2.38	0.02	0.96	7.48	45.87	2.61	1763.64
pH:Temp	-0.82	0.37	-2.20	0.03	-1.66	-0.15	0.44	0.19	0.86

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.62	
pH	1	35.88	154	179.74	0.00
LA	1	114.08	153	65.66	0.00
Temp	1	13.43	152	52.23	0.00
pH:Temp	1	5.94	151	46.29	0.01

<b>AIC</b>	56.29
<b>Likelihood Ratio</b>	1.45-35
<b>Log-Likelihood</b>	-23.14



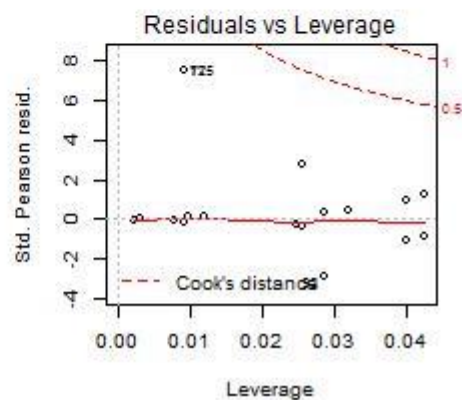
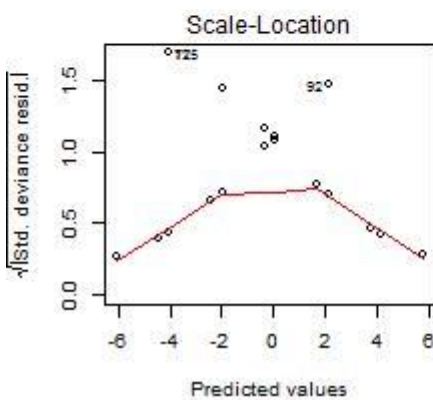
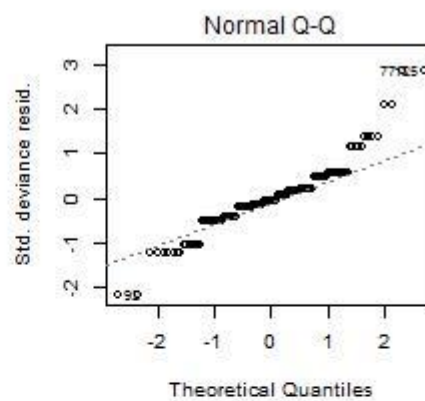
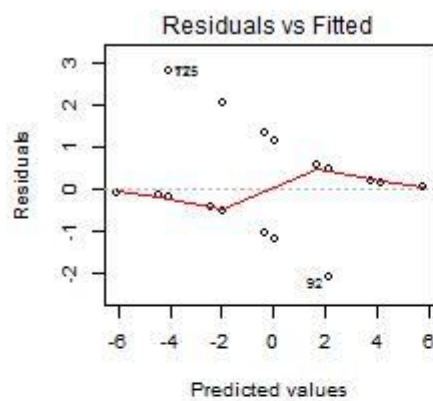


## 25. *E.coli* EC34 - isolated from sewerage system

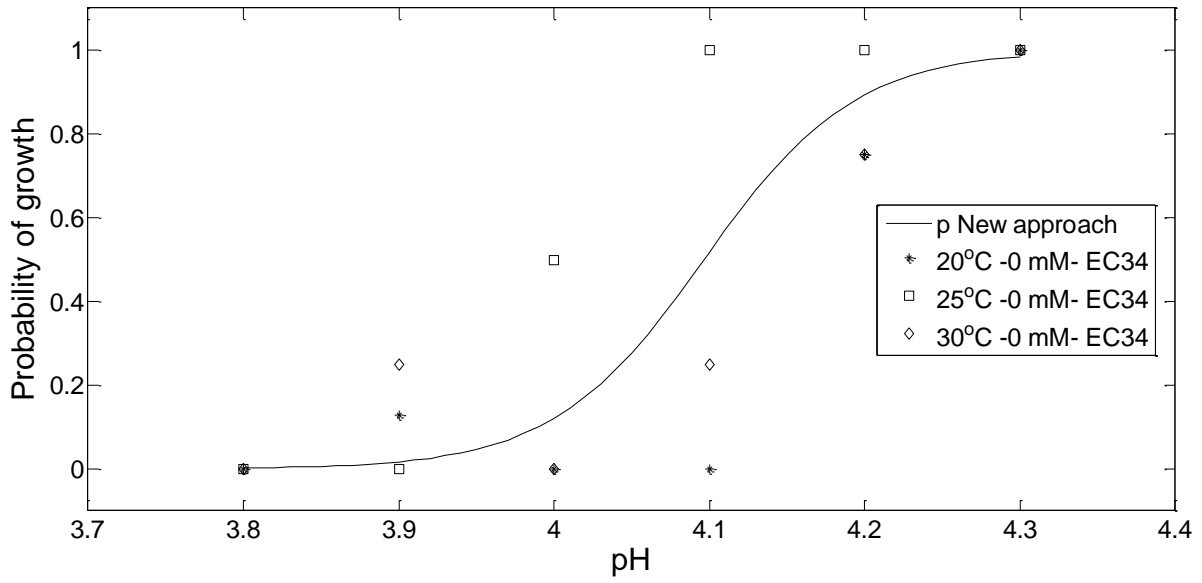
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-84.15	13.56	-6.20	0.00	-114.94	-60.98	0.00	0.00	0.00
pH	20.54	3.32	6.19	0.00	14.87	28.07	8.34E+08	2.88E+06	1.55E+12
LA	-0.35	0.06	-5.60	0.00	-0.48	-0.24	0.71	0.62	0.79

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.00	
pH	1	59.39	154	155.61	0.00
LA	1	75.82	153	79.79	0.00

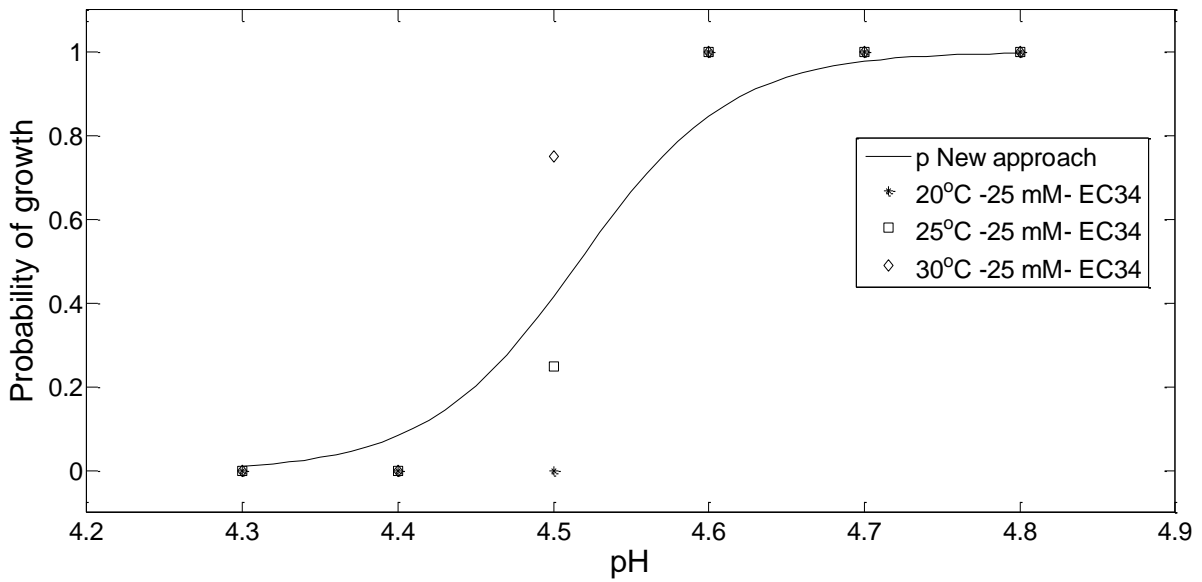
<b>AIC</b>	85.79
<b>Likelihood Ratio</b>	4.36E-30
<b>Log-Likelihood</b>	-39.90

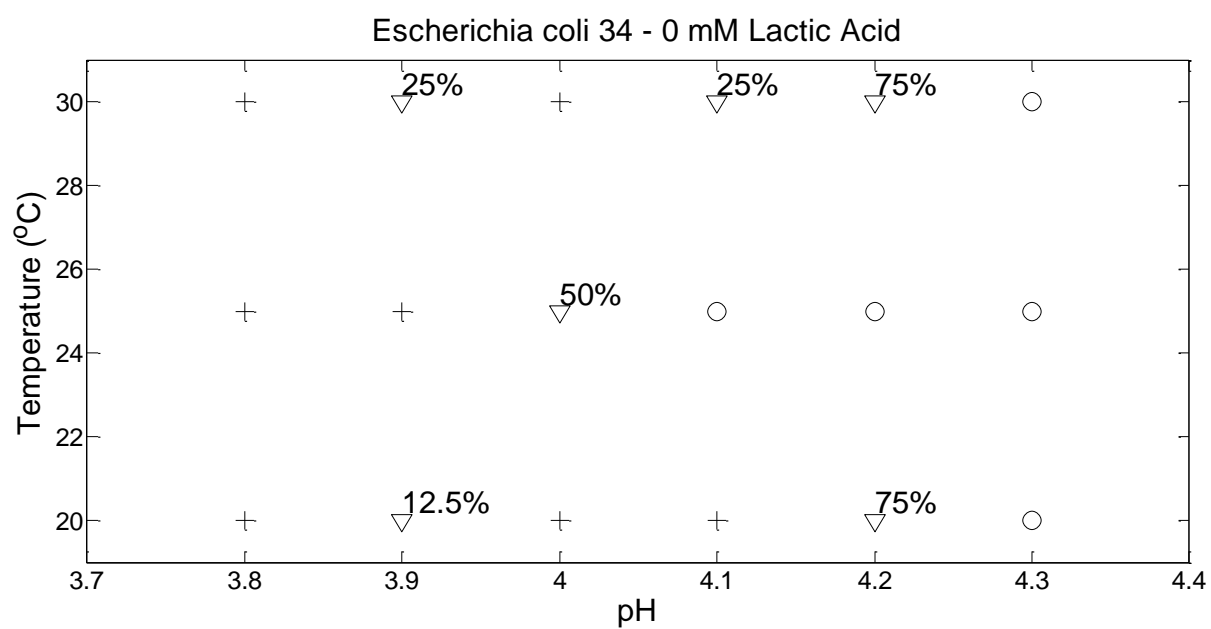
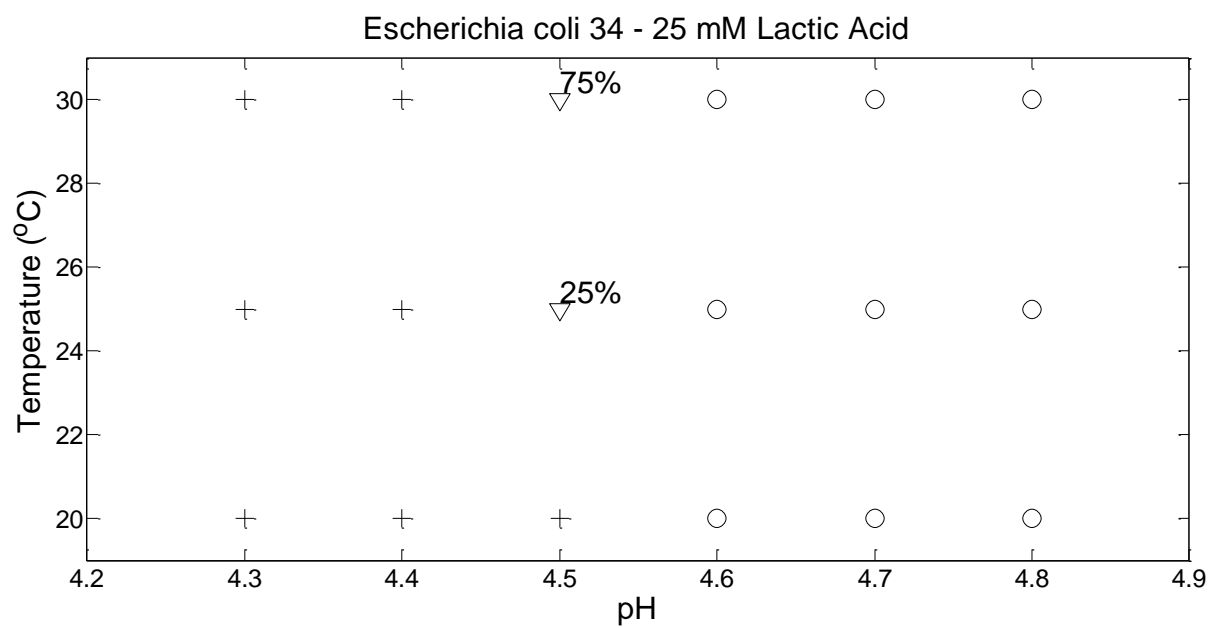


Escherichia coli EC34 - 0 mM Lactic Acid



Escherichia coli EC34 - 25 mM Lactic Acid





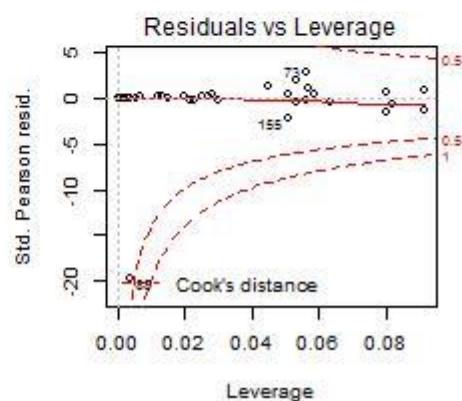
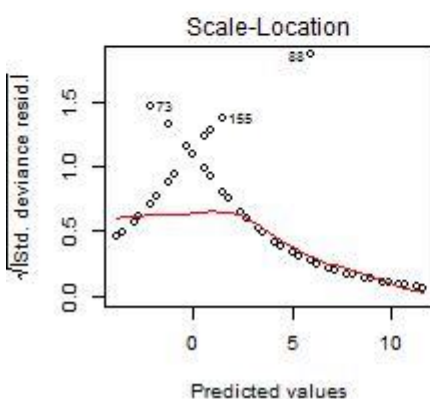
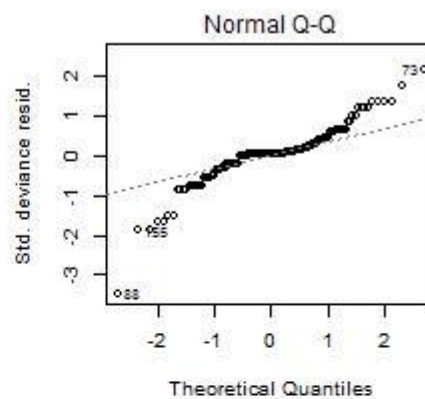
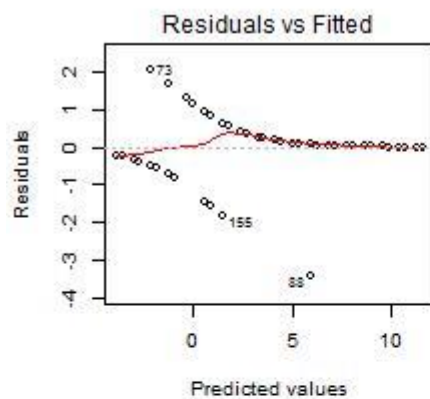


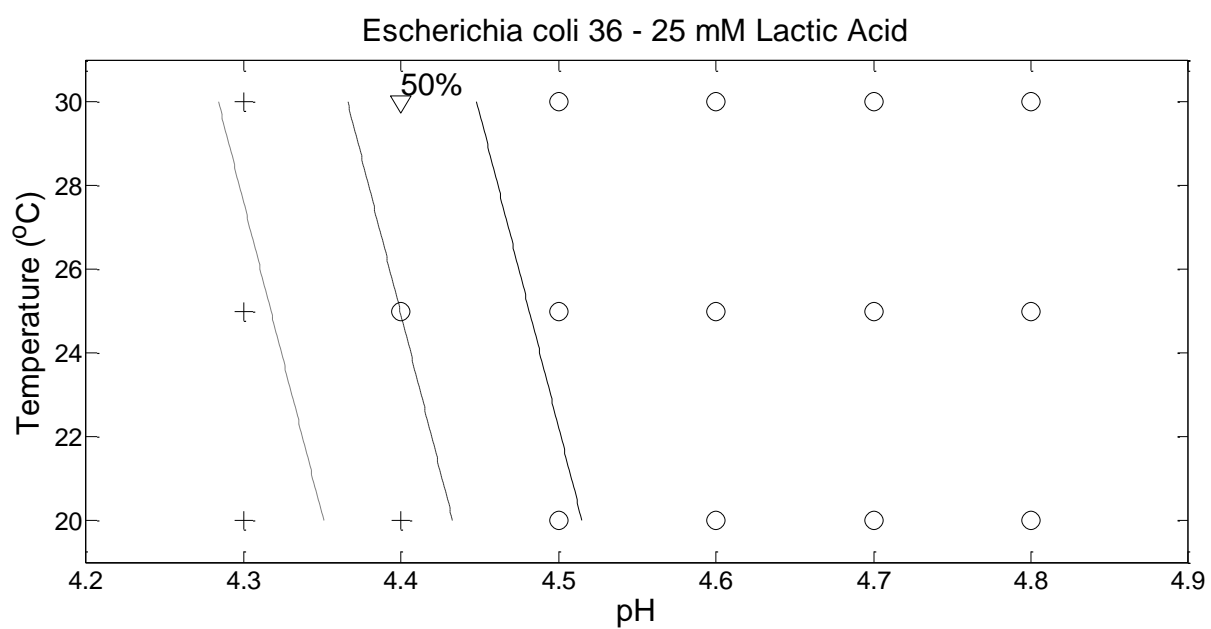
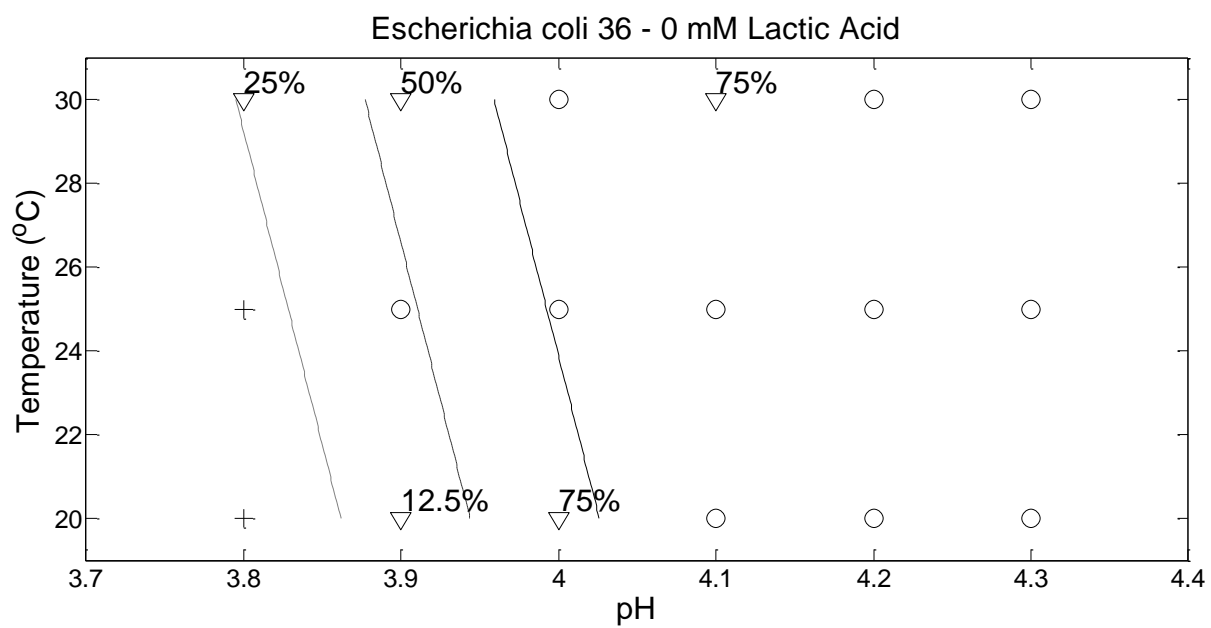
## 26. *E.coli* EC36 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-109.15	20.22	-5.40	0.00	-155.25	-75.01	0.00	0.00	0.00
pH	26.77	4.96	5.39	0.00	18.39	38.11	4.23E+11	9.70E+07	3.57E+16
LA	-0.52	0.10	-5.20	0.00	-0.75	-0.35	0.59	0.47	0.70
Temp	0.18	0.08	2.19	0.03	0.03	0.35	1.20	1.03	1.42

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	187.44	
pH	1	35.62	154	151.82	0.00
LA	1	80.16	153	71.66	0.00
Temp	1	5.40	152	66.26	0.02

AIC	74.26
Likelihood Ratio	4.29E-26
Log-Likelihood	-33.13





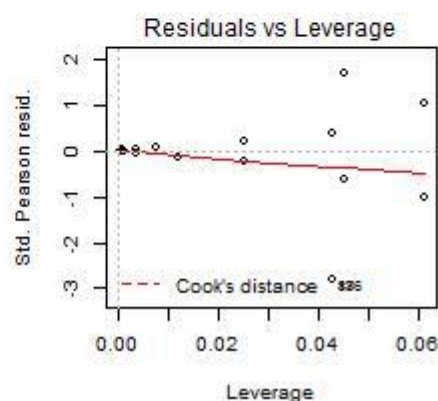
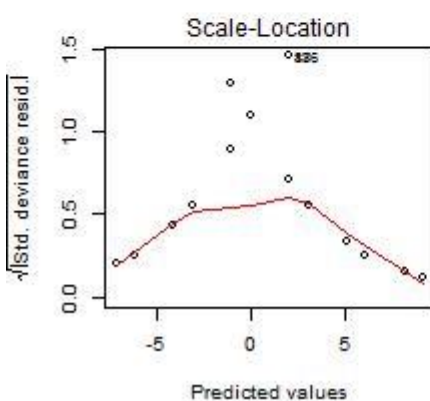
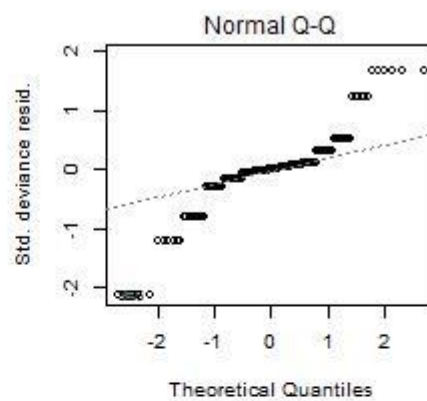
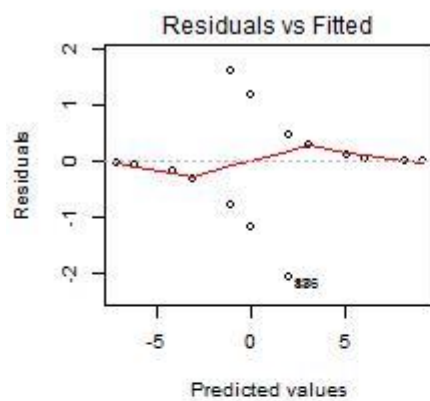


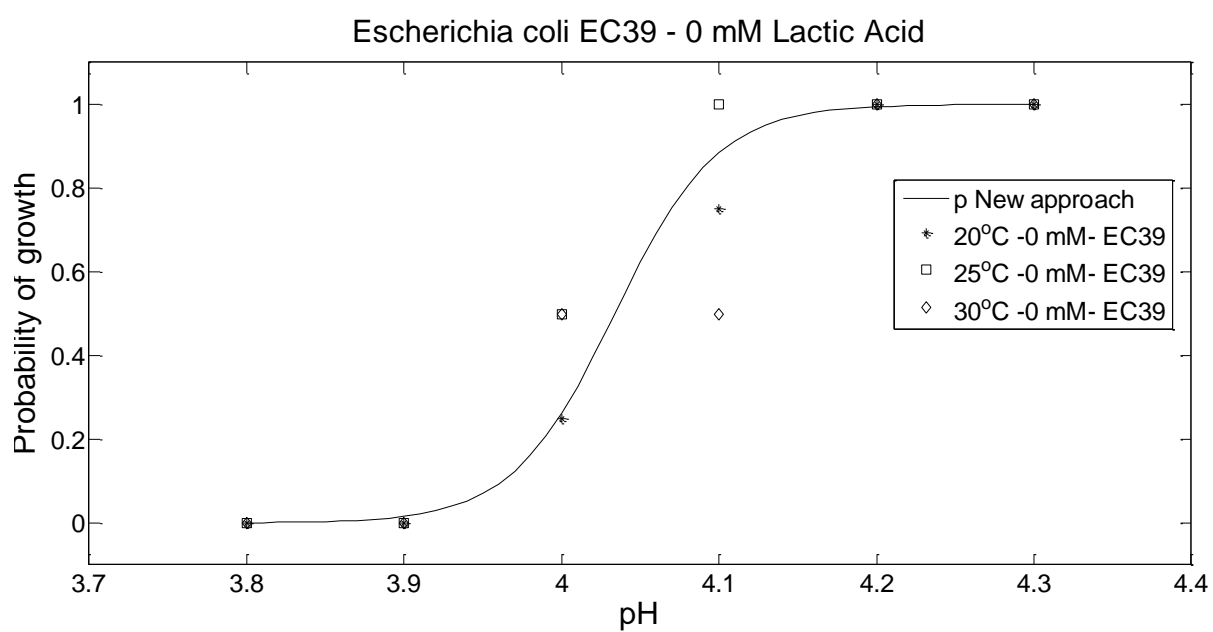
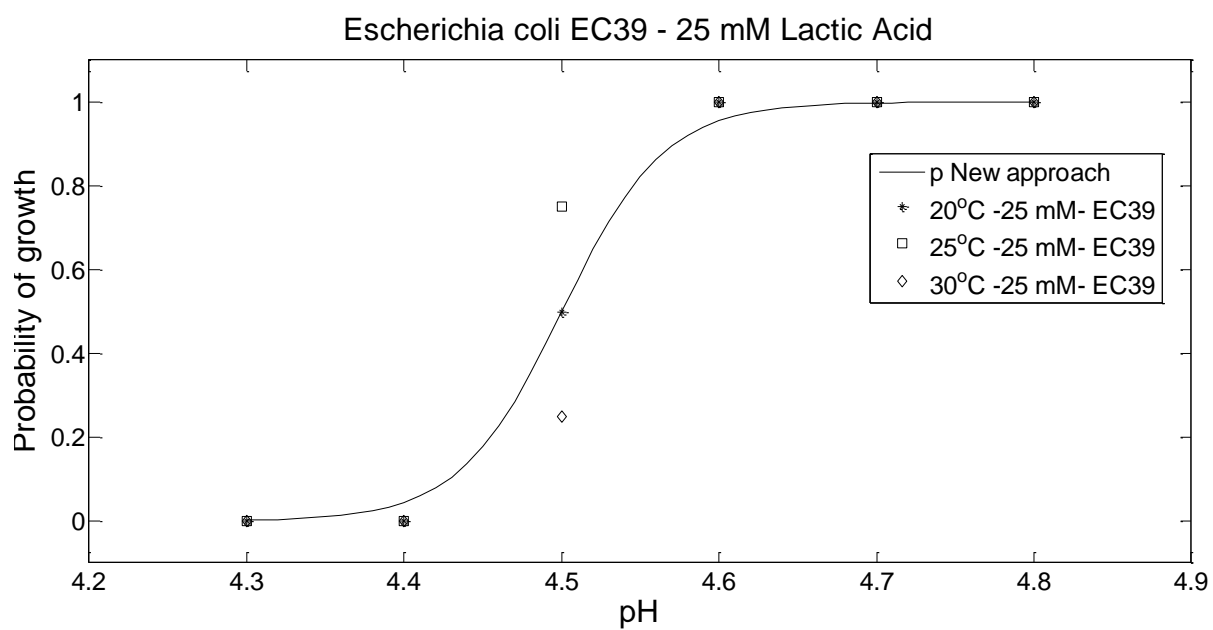
## 27. *E.coli* EC39 - isolated from sewerage system

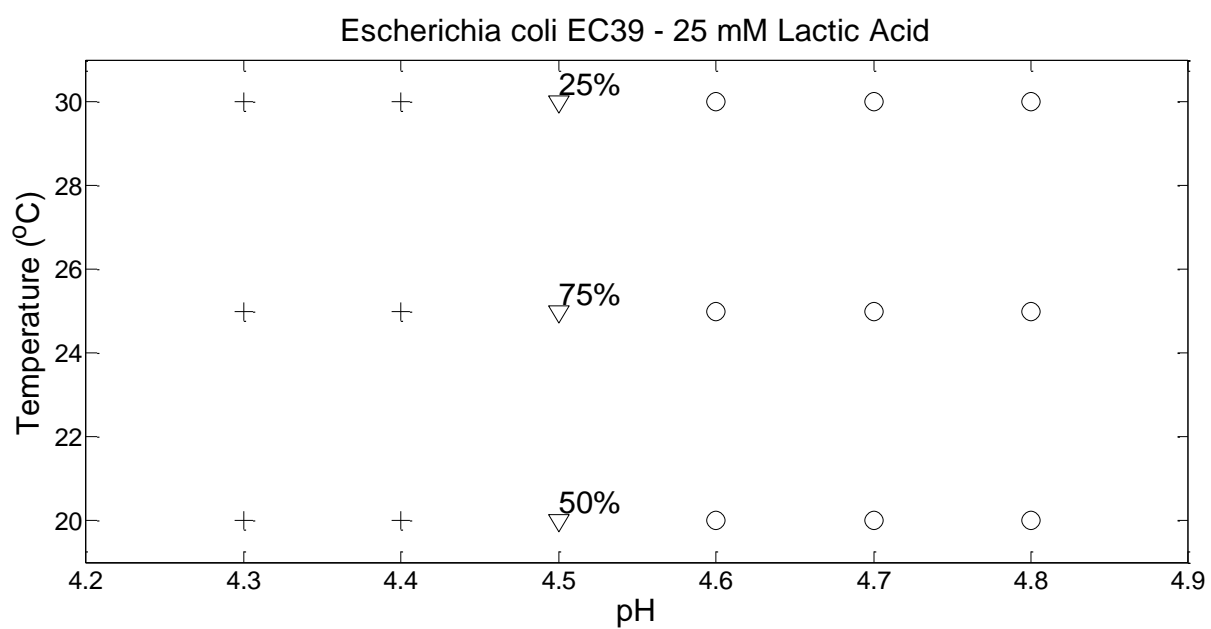
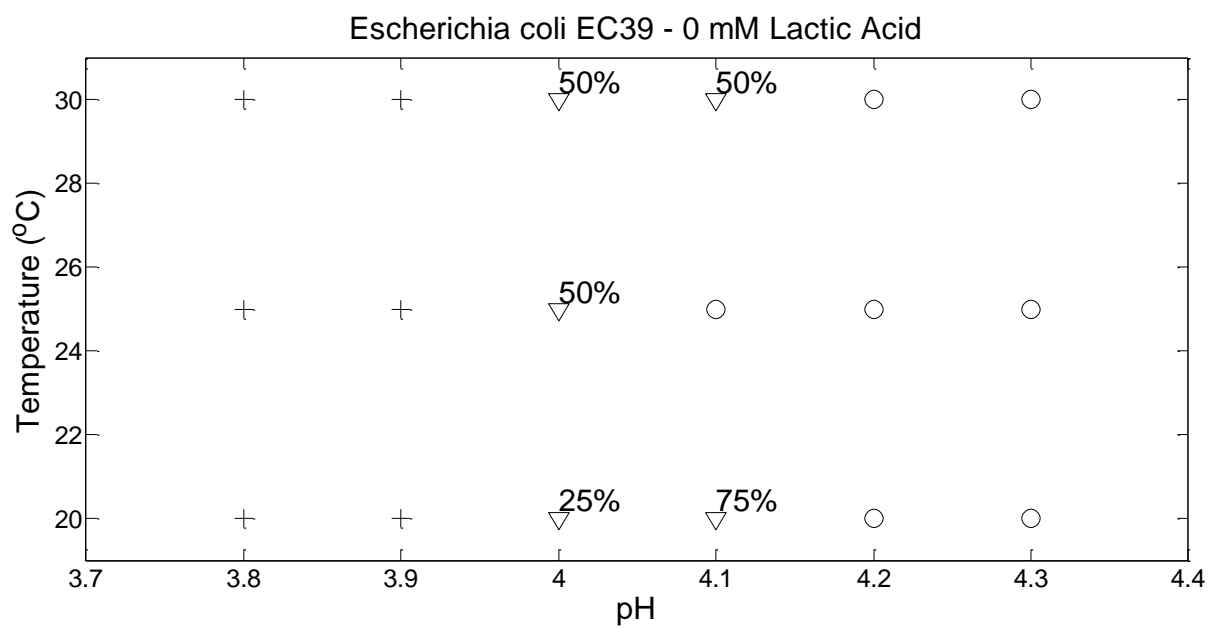
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-123.81	23.94	-5.17	0.00	-181.43	-84.99	0.00	0.00	0.00
pH	30.69	5.95	5.16	0.00	21.05	45.03	2.14E+13	1.39E+09	3.60E+19
LA	-0.57	0.12	-4.91	0.00	-0.85	-0.38	0.56	0.43	0.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.03	
pH	1	52.75	154	163.28	0.00
LA	1	106.36	153	56.92	0.00

<b>AIC</b>	62.92
<b>Likelihood Ratio</b>	2.82E-35
<b>Log-Likelihood</b>	-28.46







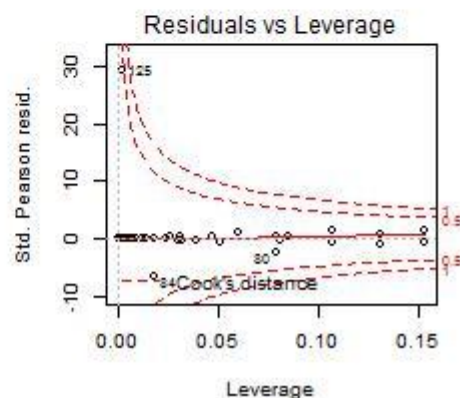
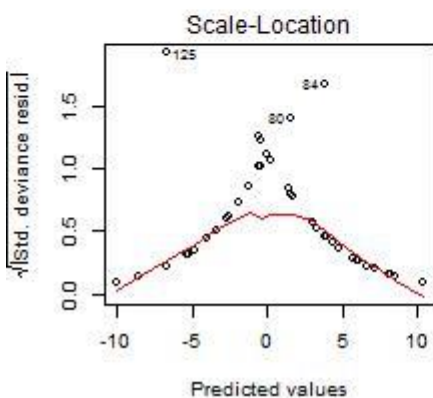
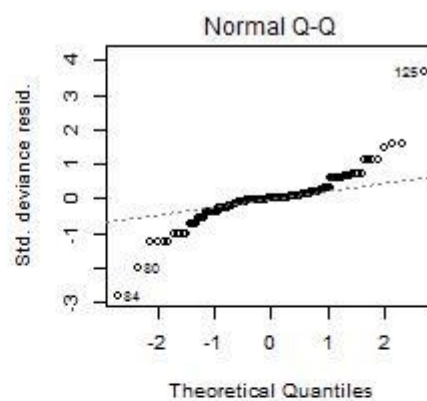
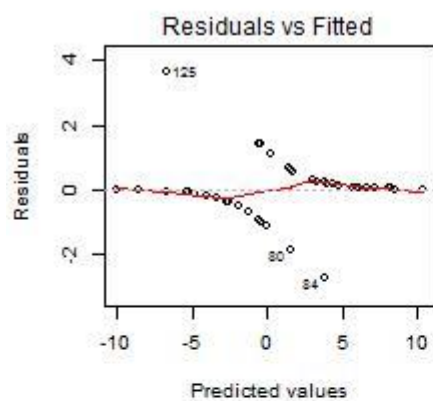


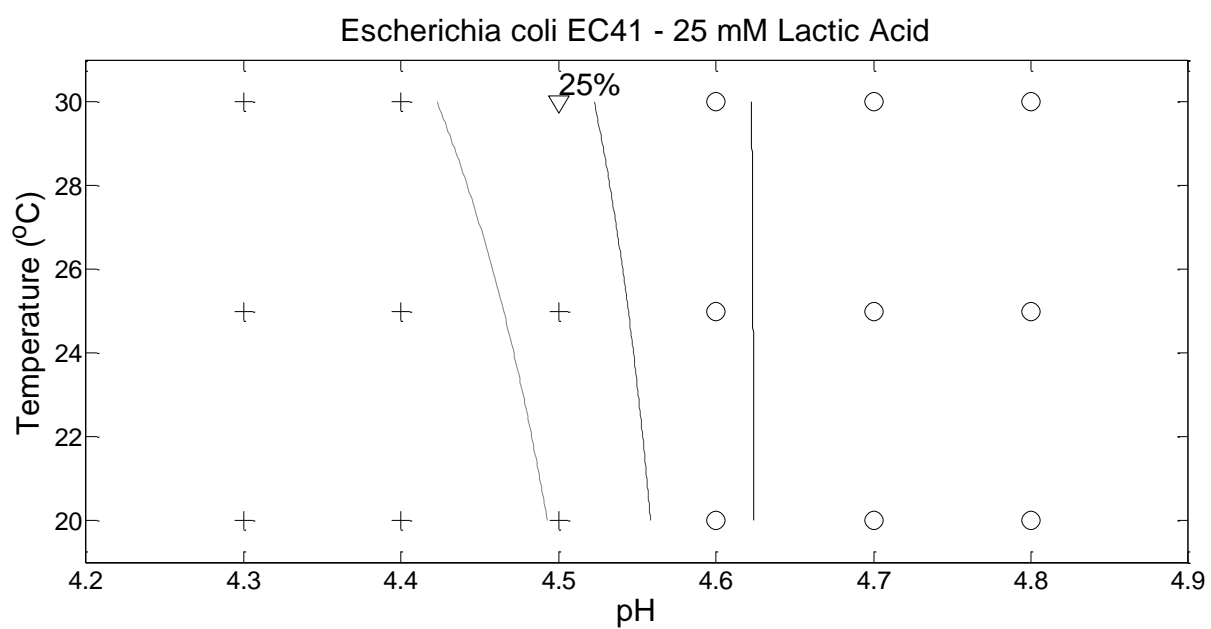
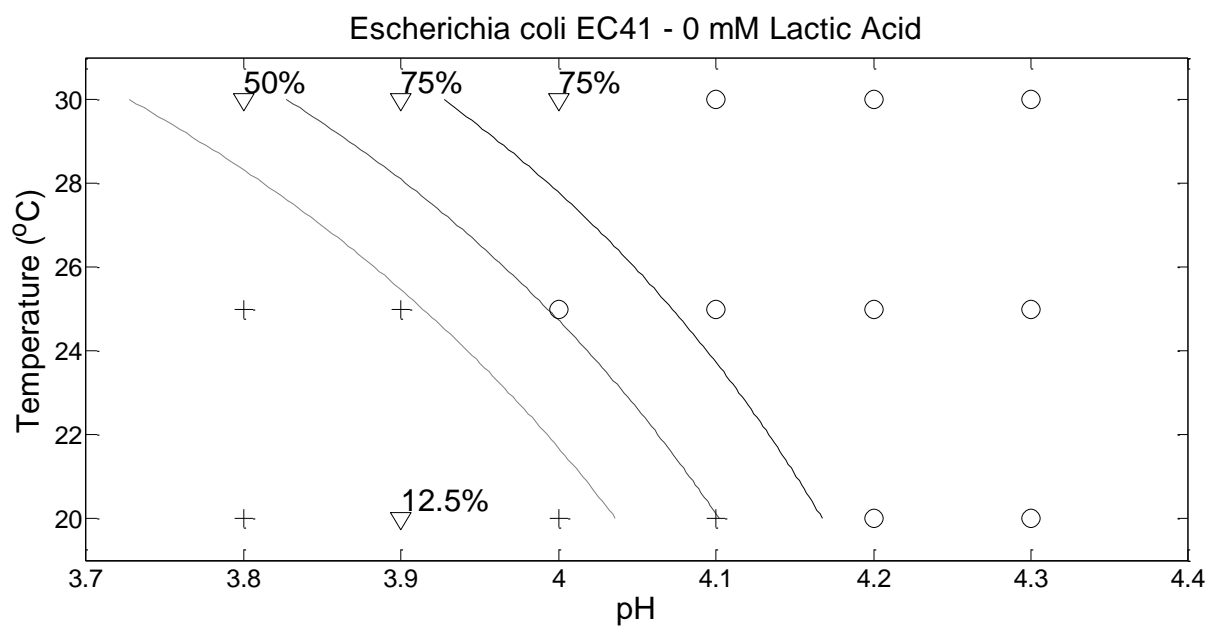
## 28. *E.coli* EC41 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-243.77	53.35	-4.57	0.00	-366.87	-153.88	0.00	0.00	0.00
pH	56.49	12.42	4.55	0.00	35.53	85.17	3.40E+24	2.71E+15	9.75E+36
LA	-0.61	0.12	-5.11	0.00	-0.89	-0.41	0.54	0.41	0.66
Temp	5.32	1.50	3.54	0.00	2.67	8.68	204.46	14.49	5891.67
pH:Temp	-1.15	0.34	-3.35	0.00	-1.91	-0.54	0.32	0.15	0.58

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.85	
pH	1	26.09	154	189.77	0.00
LA	1	92.56	153	97.21	0.00
Temp	1	23.69	152	73.52	0.00
pH:Temp	1	15.92	151	57.60	0.00

<b>AIC</b>	67.60
<b>Likelihood Ratio</b>	3.46E-33
<b>Log-Likelihood</b>	-28.80



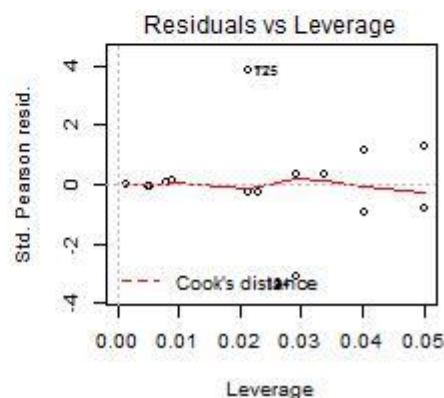
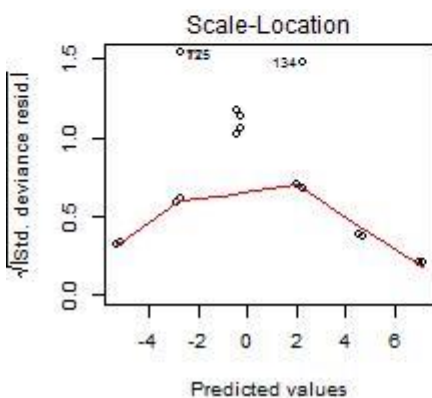
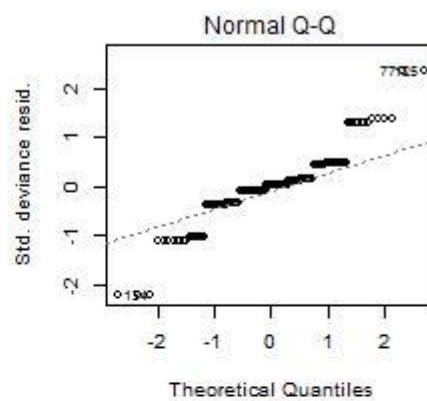
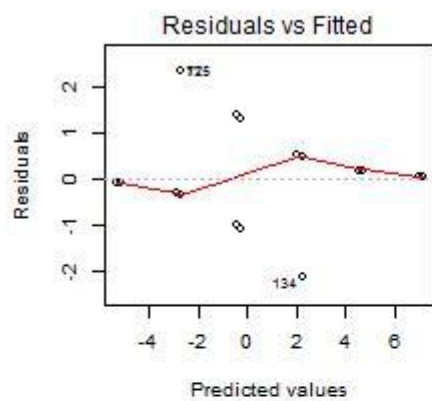


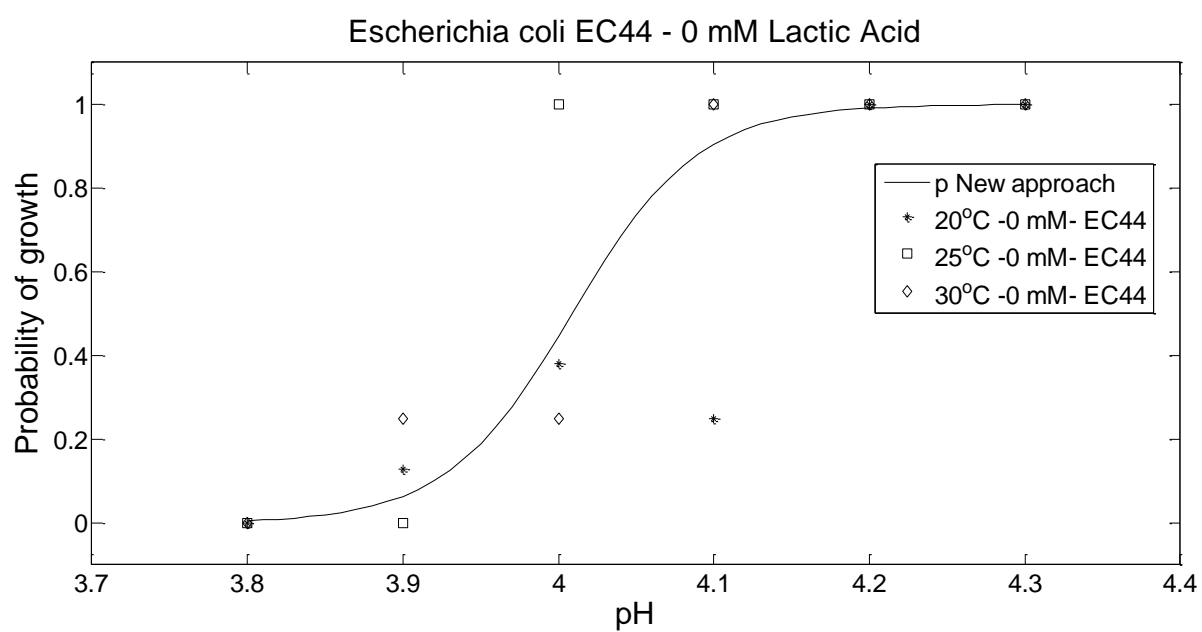
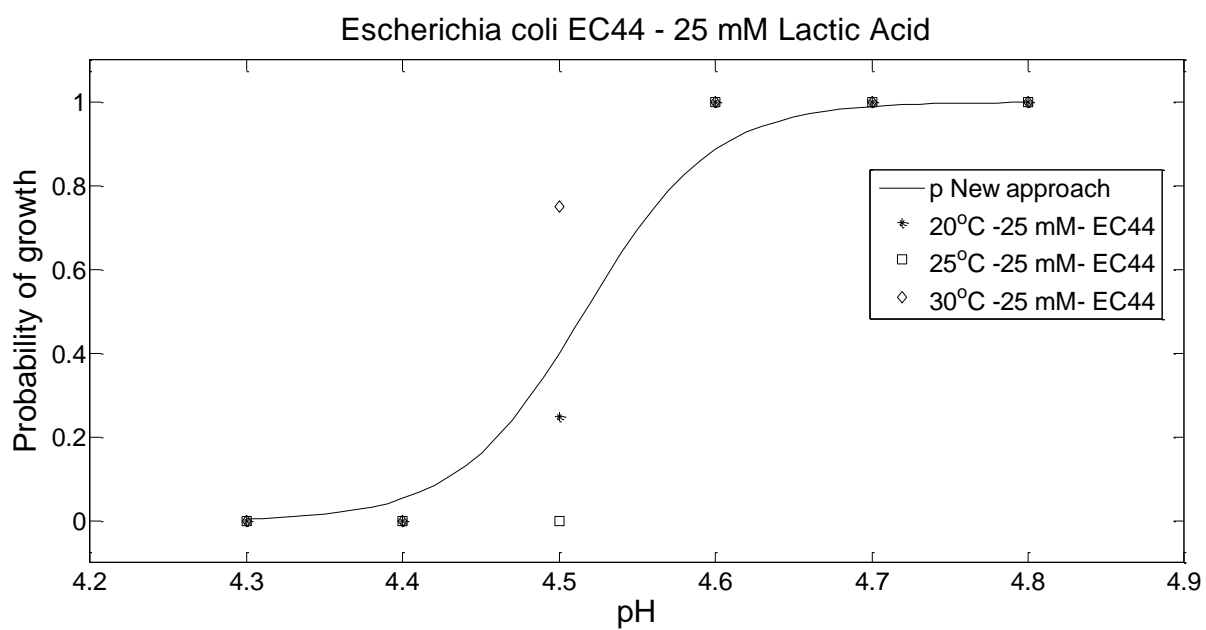
## 29. *E.coli* EC44 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-98.84	17.24	-5.73	0.00	-139.11	-70.11	0.00	0.00	0.00
pH	24.66	4.31	5.73	0.00	17.48	34.72	5.11E+10	3.90E+07	1.20E+15
LA	-0.50	0.09	-5.46	0.00	-0.71	-0.35	0.61	0.49	0.71

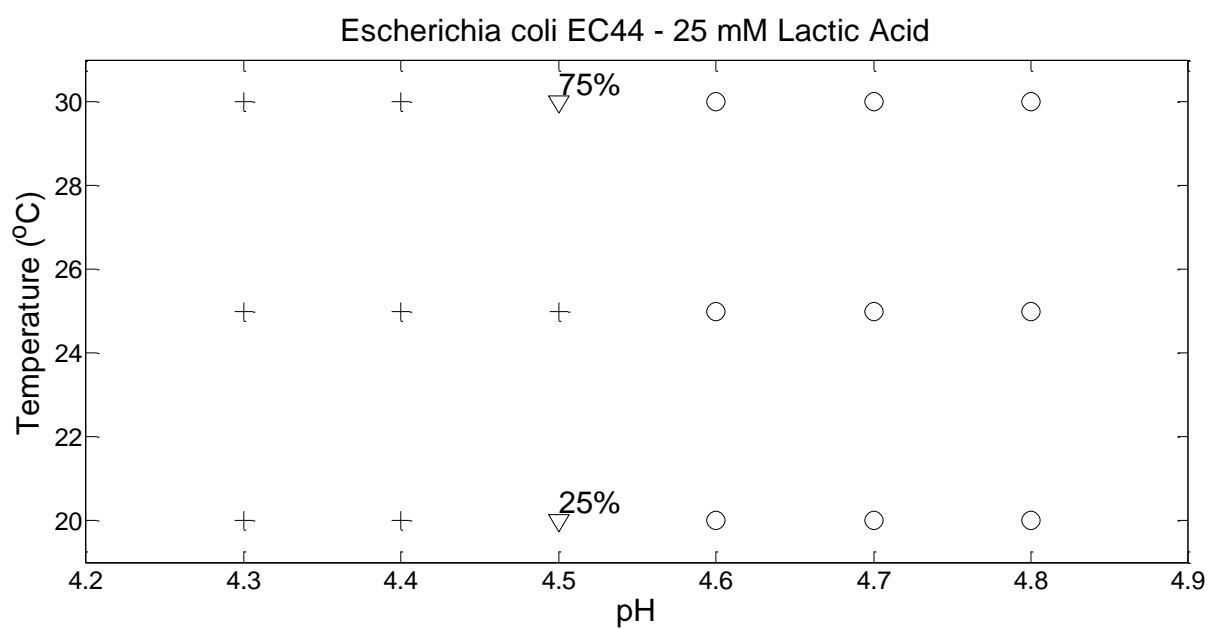
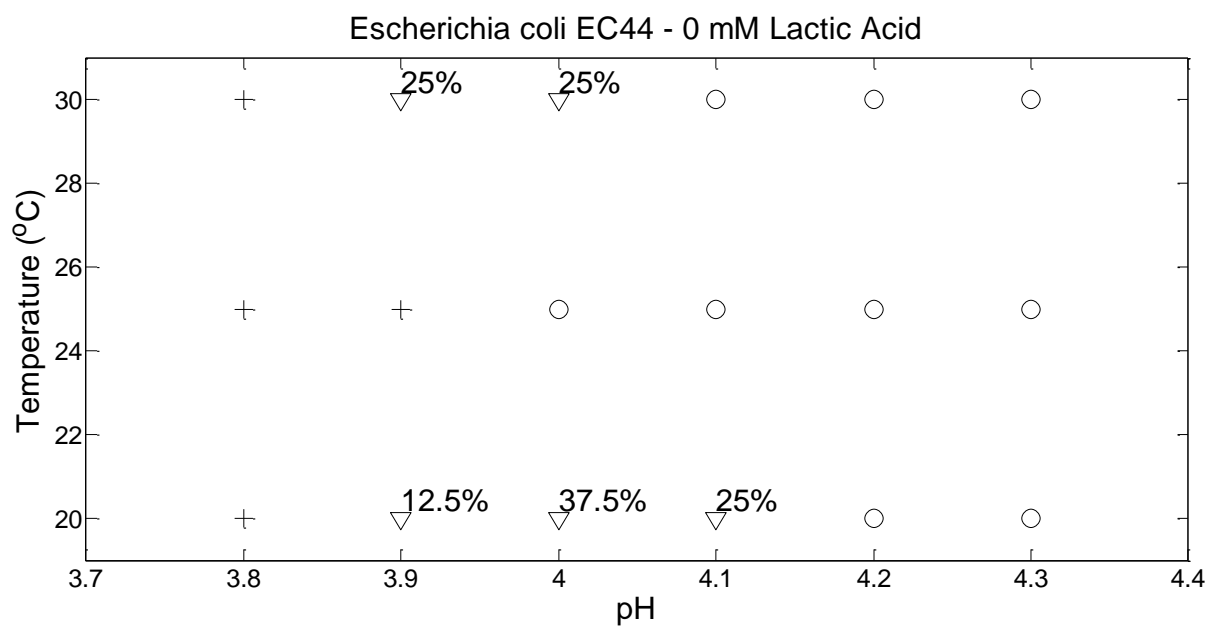
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.62	
pH	1	38.75	154	176.87	0.00
LA	1	105.23	153	71.63	0.00

<b>AIC</b>	77.63
<b>Likelihood Ratio</b>	5.42E-32
<b>Log-Likelihood</b>	-35.82









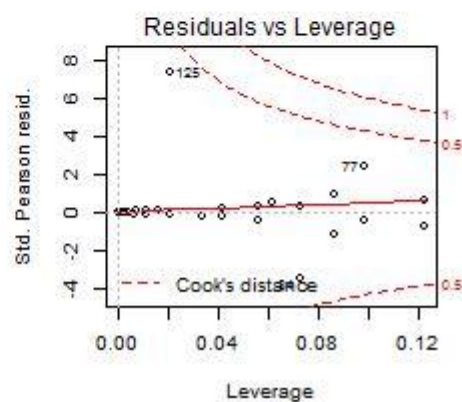
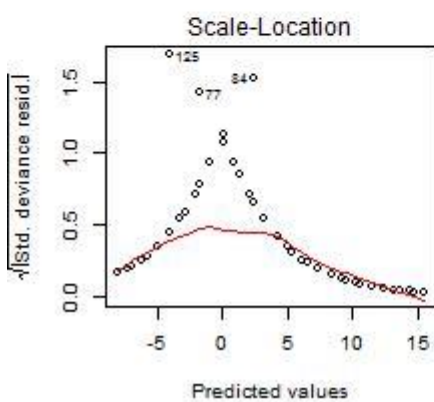
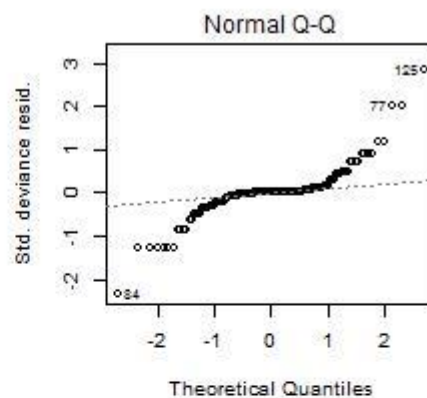
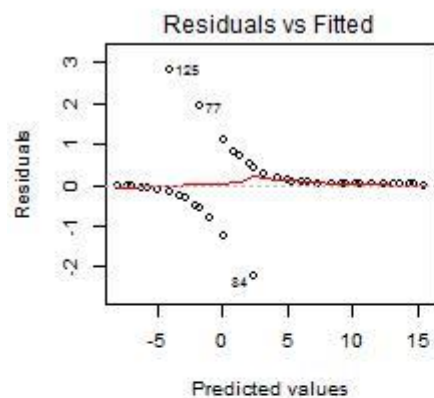


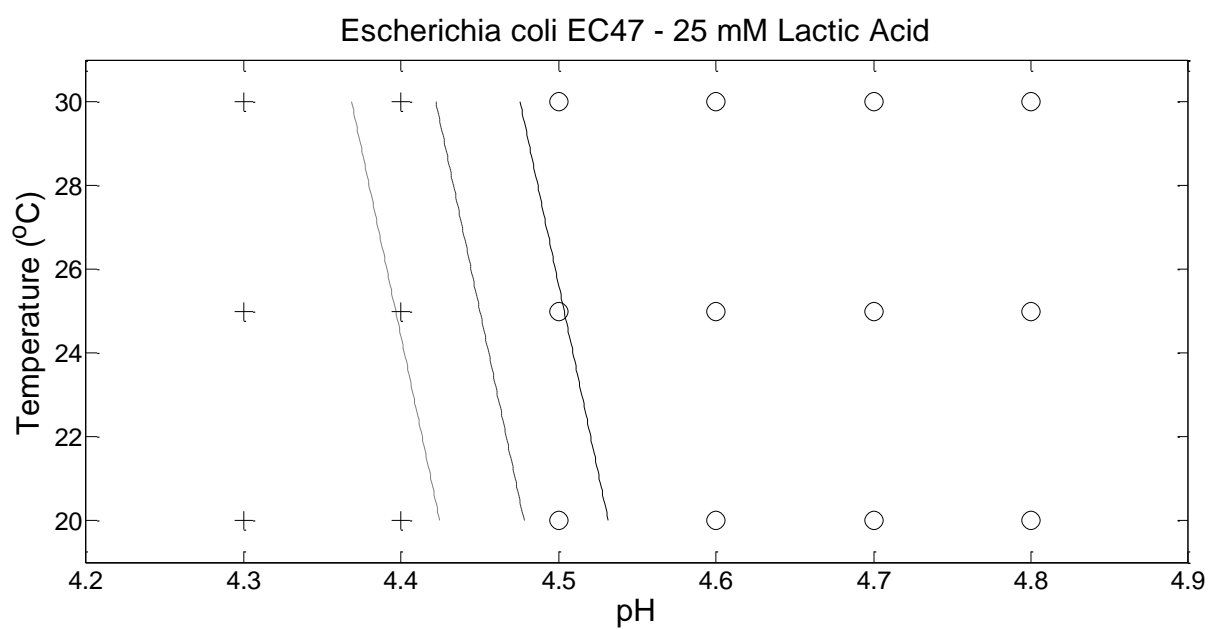
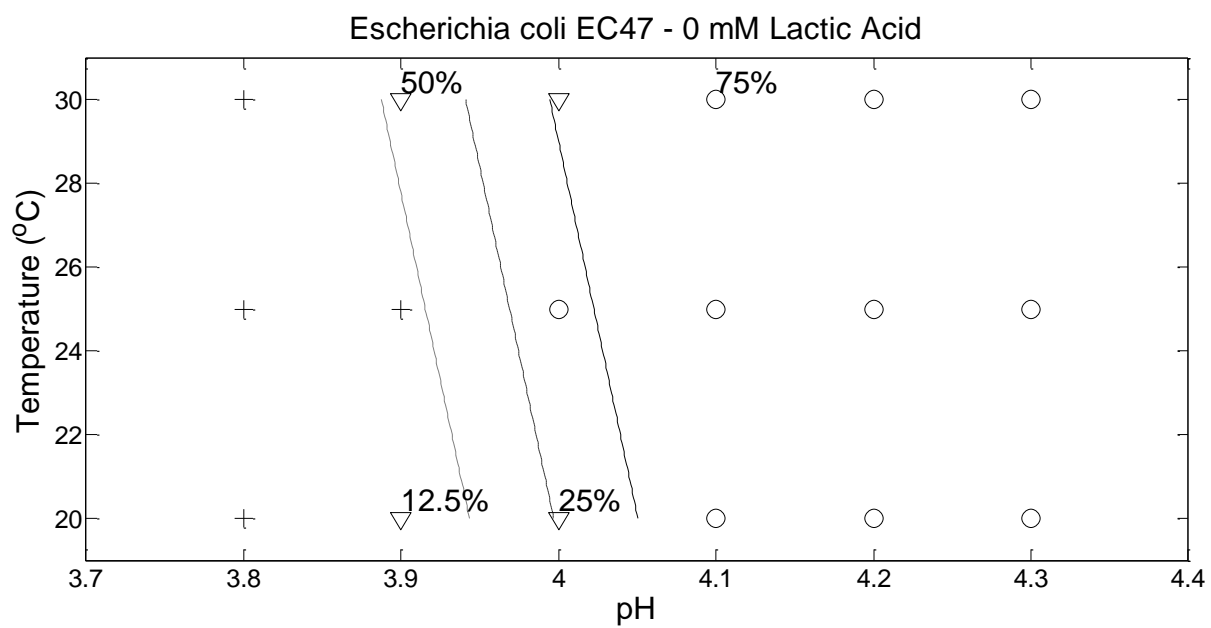
### 30. *E.coli* EC47 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-168.69	37.07	-4.55	0.00	-259.95	-109.96	0.00	0.00	0.00
pH	41.06	8.96	4.58	0.00	26.80	63.00	6.76E+17	4.38E+11	2.30E+27
LA	-0.79	0.18	-4.50	0.00	-1.22	-0.51	0.45	0.29	0.60
Temp	0.23	0.11	2.09	0.04	0.03	0.48	1.26	1.03	1.61

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	207.88	
pH	1	47.44	154	160.44	0.00
LA	1	110.76	153	49.67	0.00
Temp	1	5.38	152	44.30	0.02

<b>AIC</b>	52.30
<b>Likelihood Ratio</b>	3.09E-35
<b>Log-Likelihood</b>	-22.15



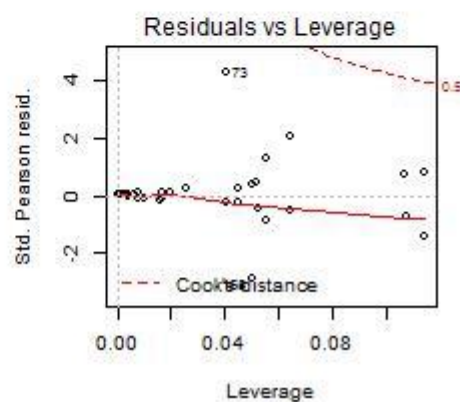
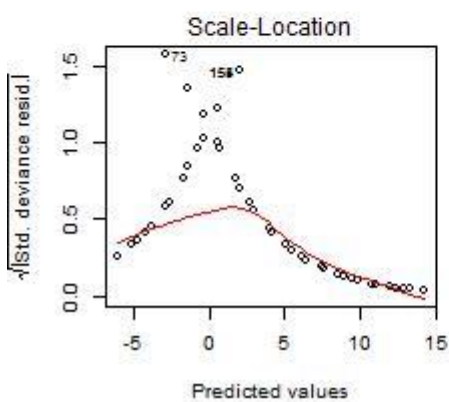
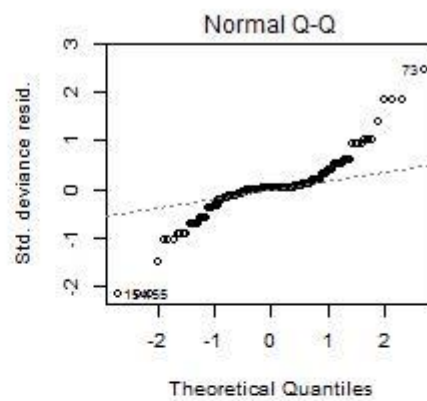
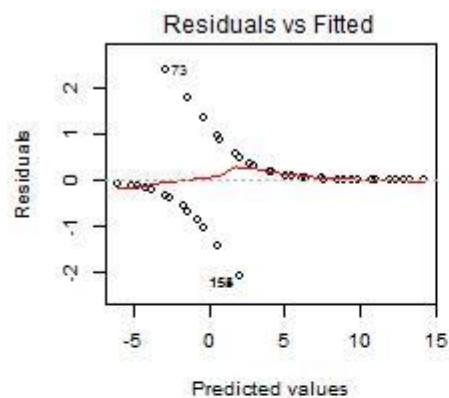


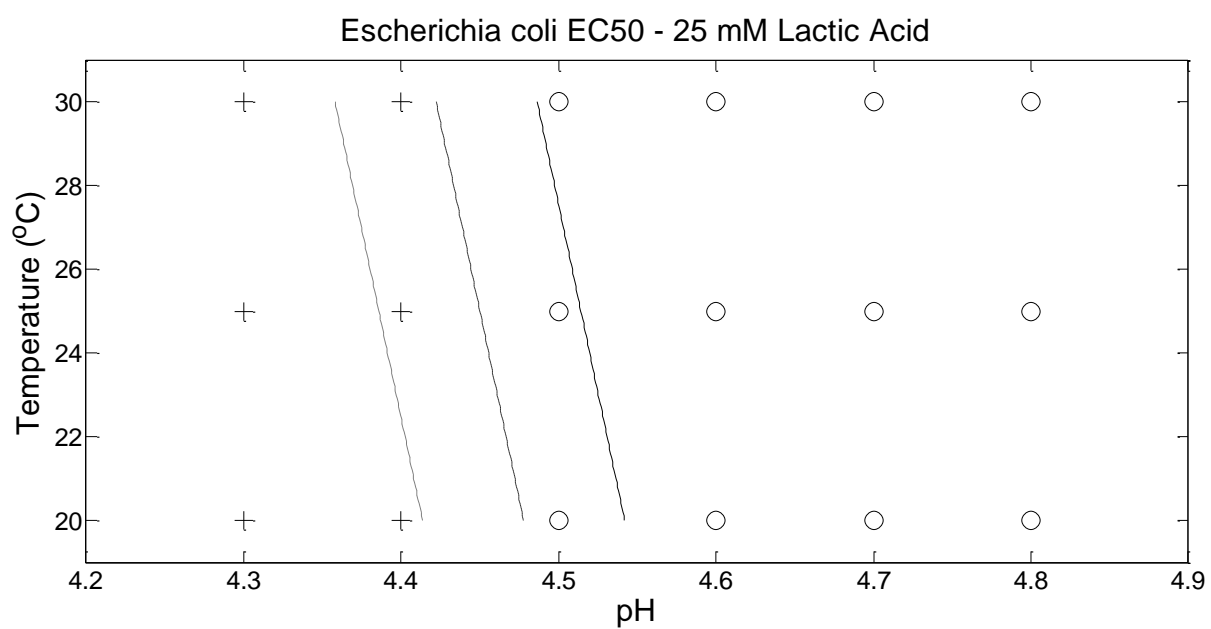
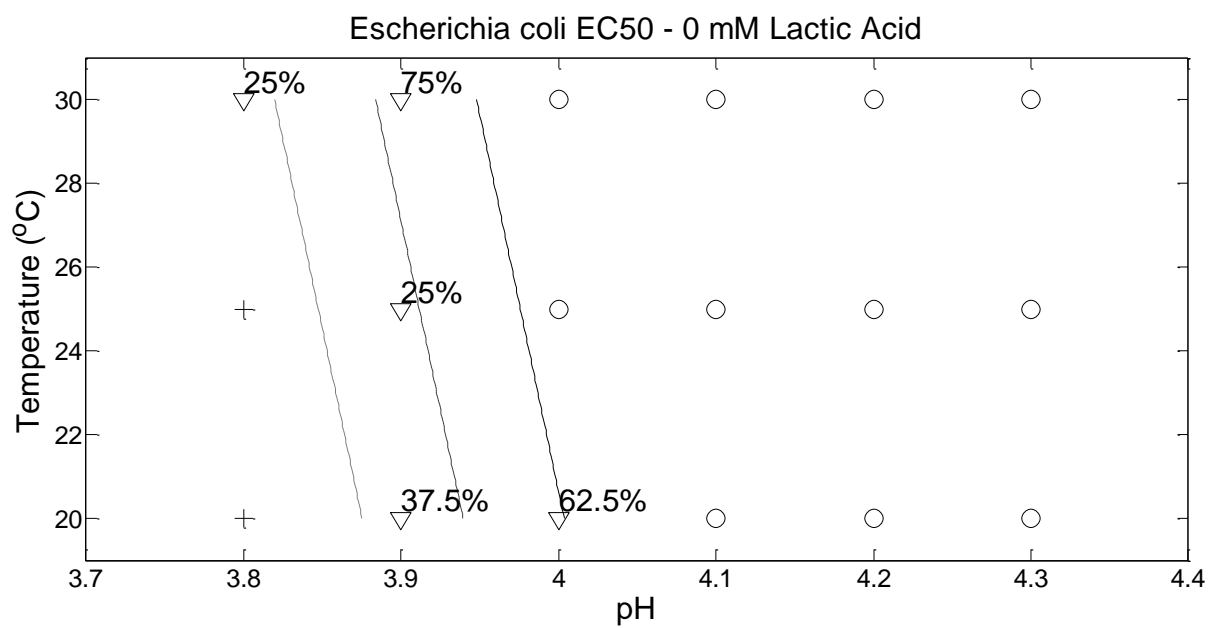
### 31. *E.coli* EC50 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-138.70	27.24	-5.09	0.00	-202.22	-93.76	0.00	0.00	0.00
pH	34.24	6.71	5.10	0.00	23.17	49.90	7.43E+14	1.15E+10	4.70E+21
LA	-0.74	0.15	-4.99	0.00	-1.08	-0.49	0.48	0.34	0.61
Temp	0.19	0.09	2.06	0.04	0.02	0.39	1.21	1.02	1.47

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	27.86	154	169.32	0.00
LA	1	111.43	153	57.89	0.00
Temp	1	4.80	152	53.09	0.03

<b>AIC</b>	61.09
<b>Likelihood Ratio</b>	4.97E-31
<b>Log-Likelihood</b>	-26.55



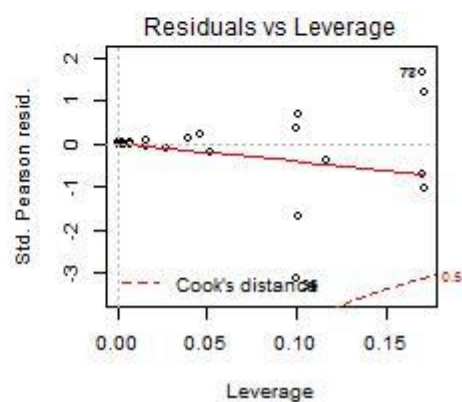
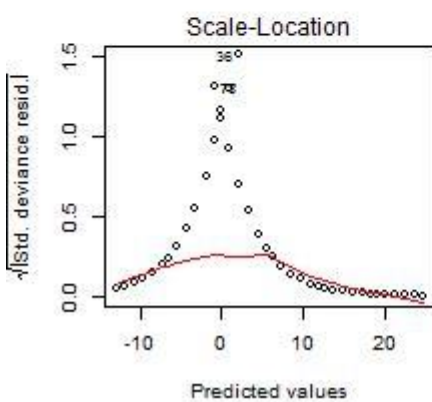
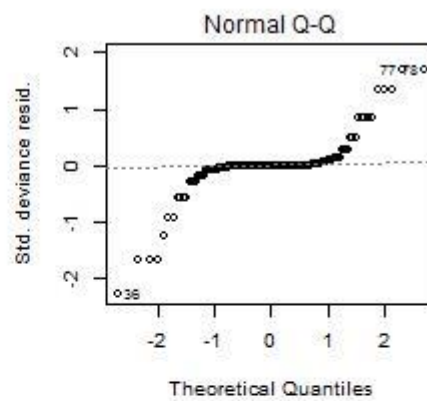
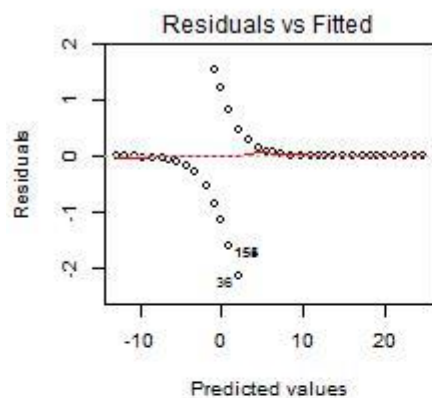


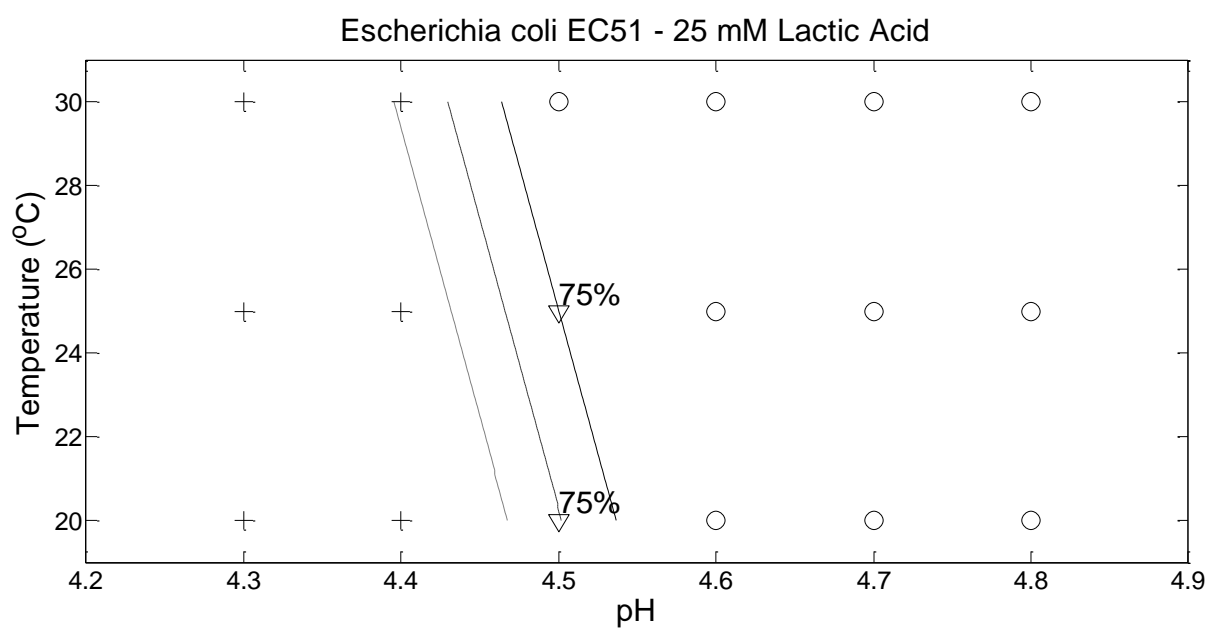
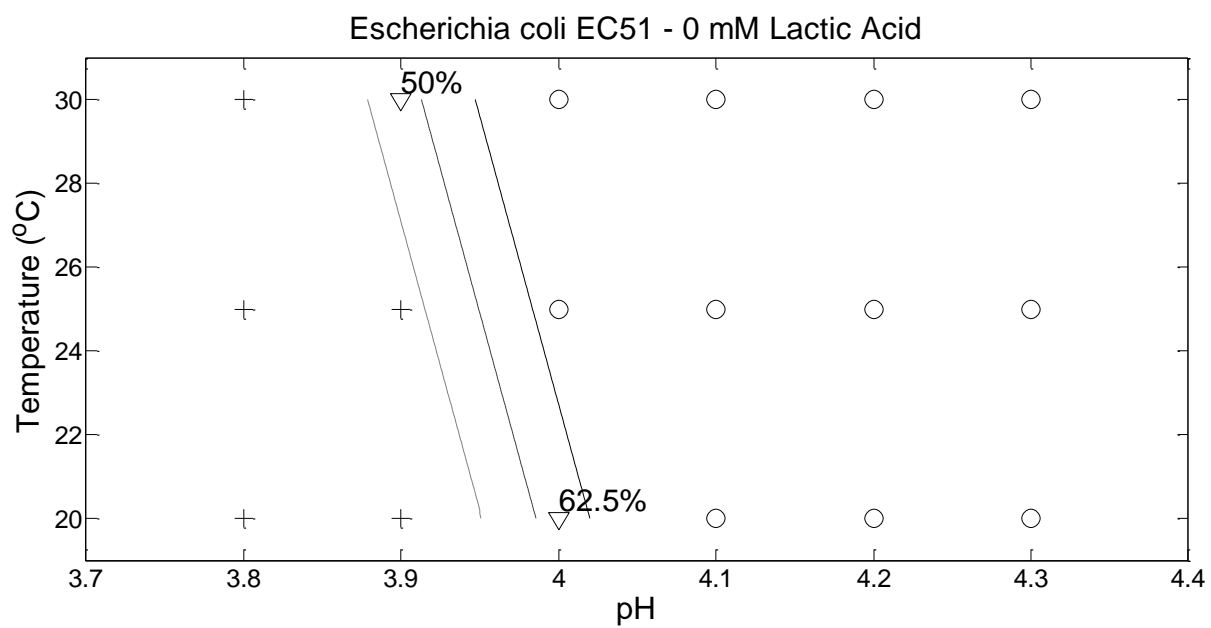
### 32. *E.coli* EC51 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-264.96	80.64	-3.29	0.00	-503.29	-152.40	0.00	0.00	0.00
pH	64.16	19.27	3.33	0.00	37.14	120.98	7.33E+27	1.34E+16	3.46E+52
LA	-1.33	0.40	-3.35	0.00	-2.48	-0.76	0.27	0.08	0.47
Temp	0.46	0.21	2.23	0.03	0.15	1.05	1.59	1.16	2.85

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	206.91	
pH	1	38.22	154	168.69	0.00
LA	1	128.13	153	40.56	0.00
Temp	1	10.28	152	30.28	0.00

<b>AIC</b>	38.28
<b>Likelihood Ratio</b>	4.7E-38
<b>Log-Likelihood</b>	-15.14





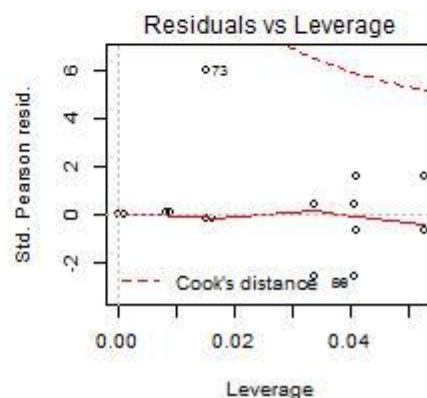
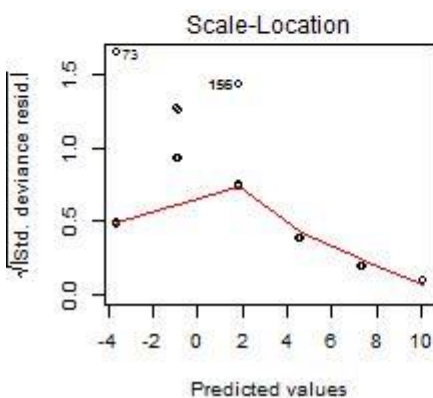
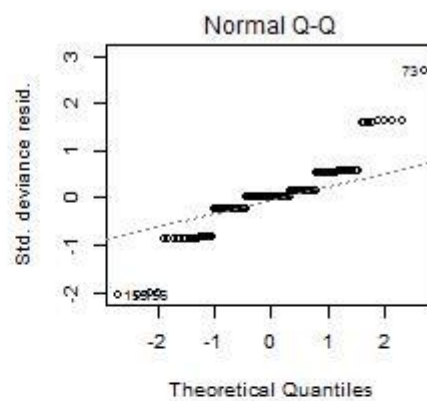
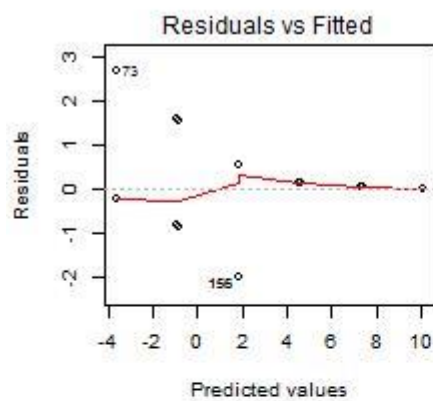


### 33. *E.coli* EC52 - isolated from sewerage system

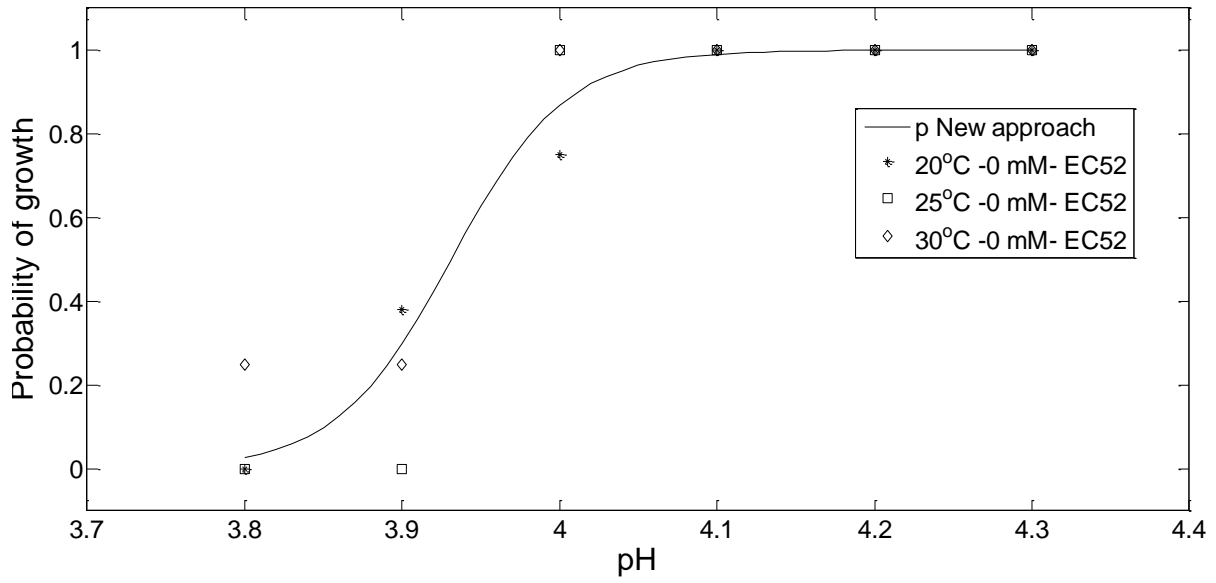
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-107.77	19.35	-5.57	0.00	-151.83	-75.06	0.00	0.00	0.00
pH	27.42	4.92	5.57	0.00	19.10	38.64	8.06E+11	1.97E+08	6.03E+16
LA	-0.55	0.10	-5.38	0.00	-0.78	-0.38	0.58	0.46	0.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	34.15	154	163.03	0.00
LA	1	97.31	153	65.72	0.00

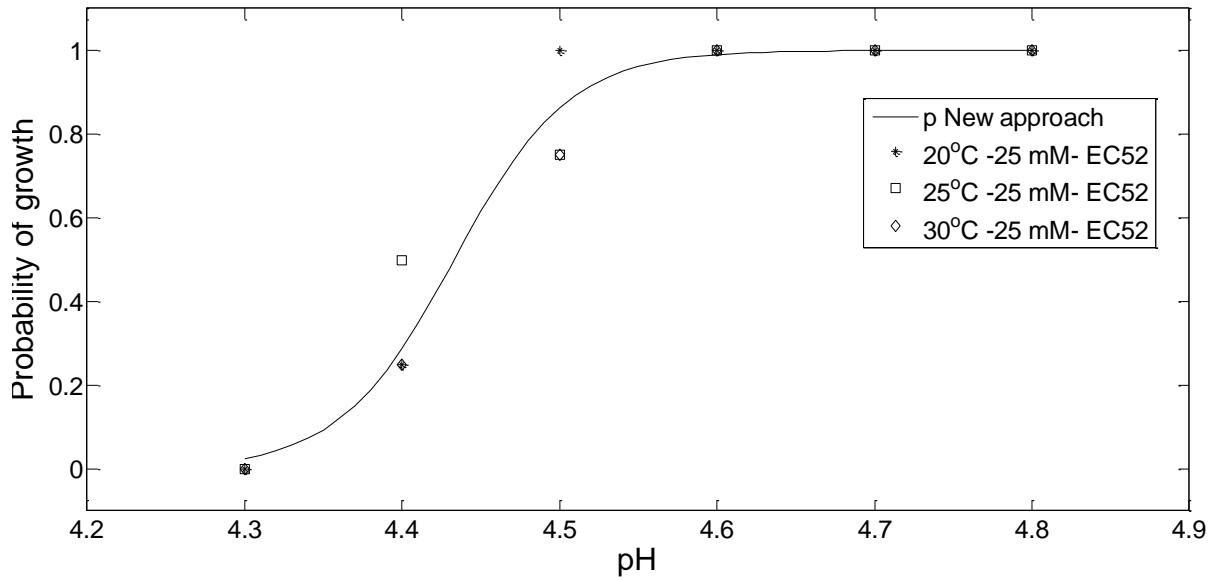
<b>AIC</b>	71.72
<b>Likelihood Ratio</b>	2.85E-29
<b>Log-Likelihood</b>	-32.86

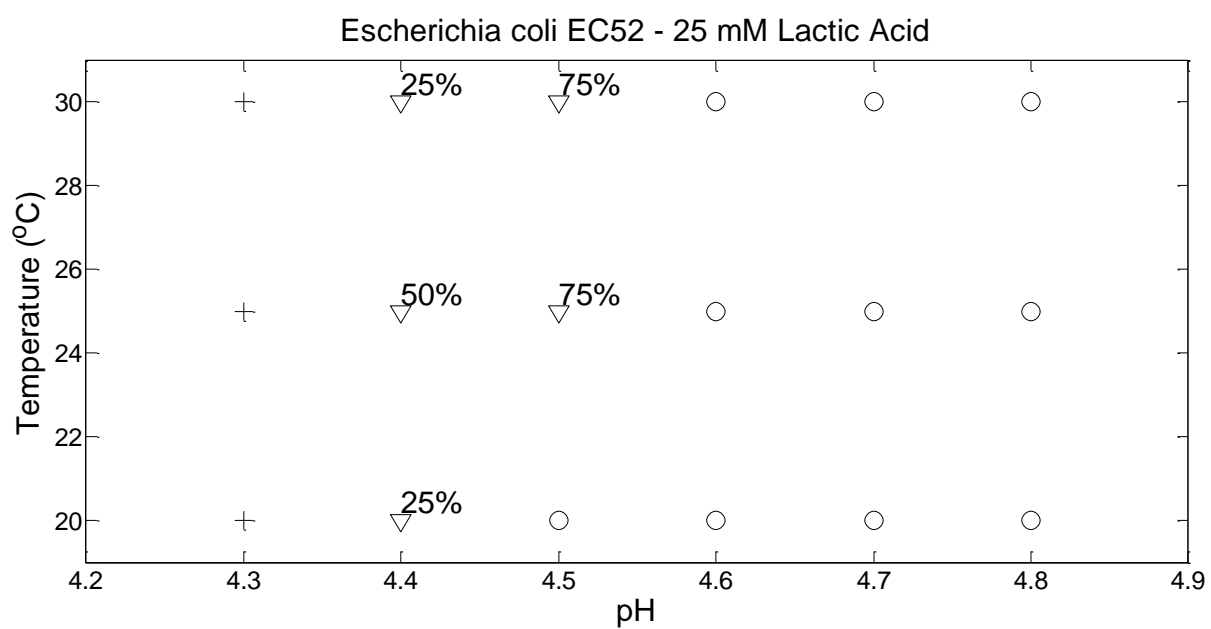
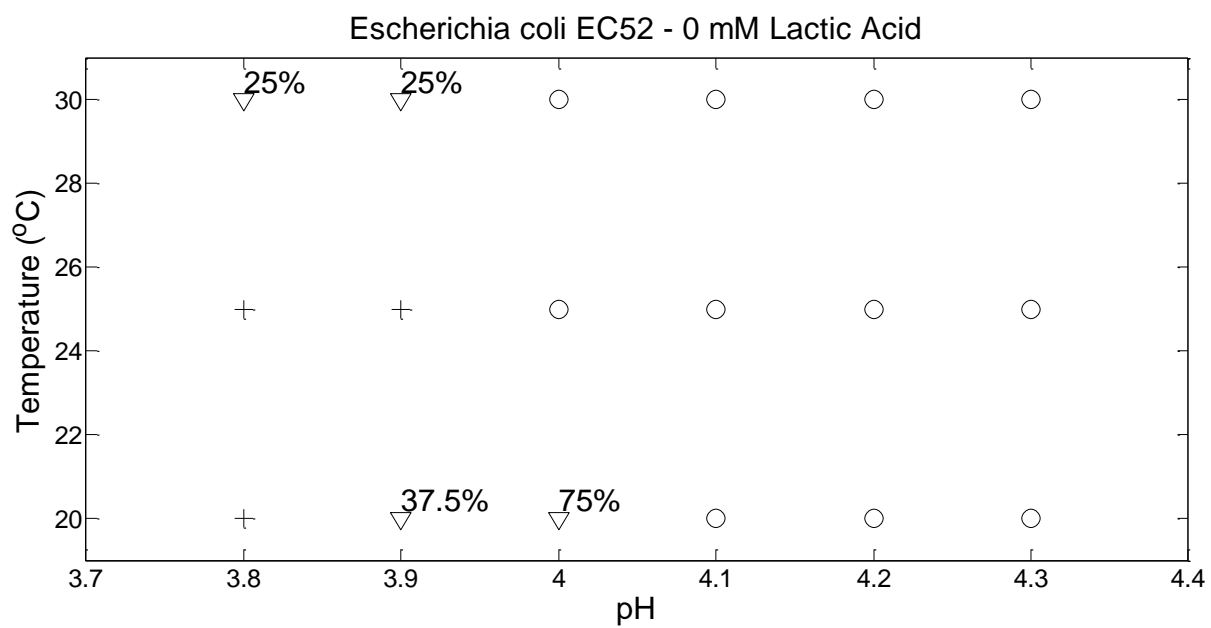


Escherichia coli EC52 - 0 mM Lactic Acid



Escherichia coli EC52 - 25 mM Lactic Acid





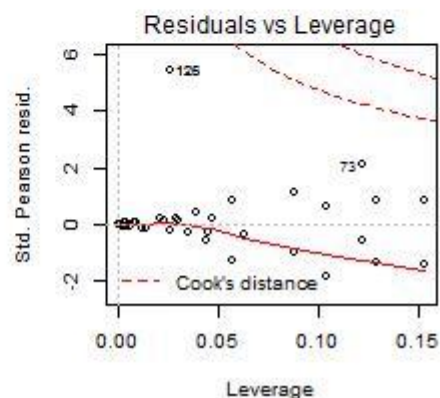
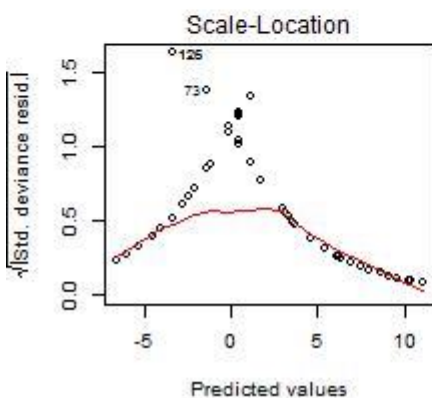
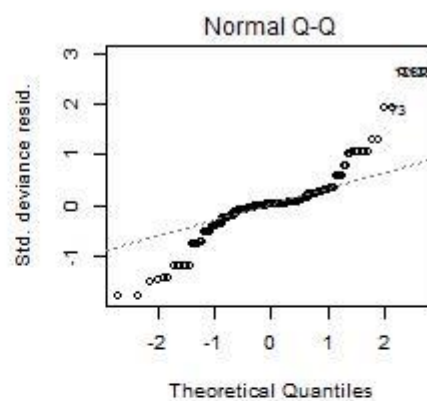
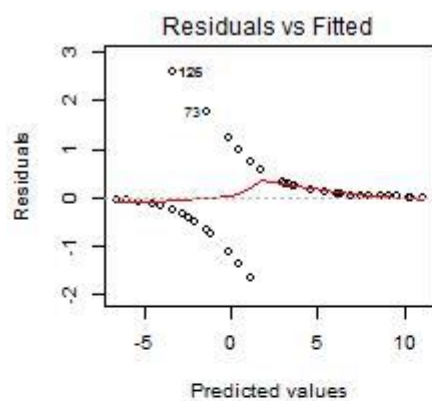


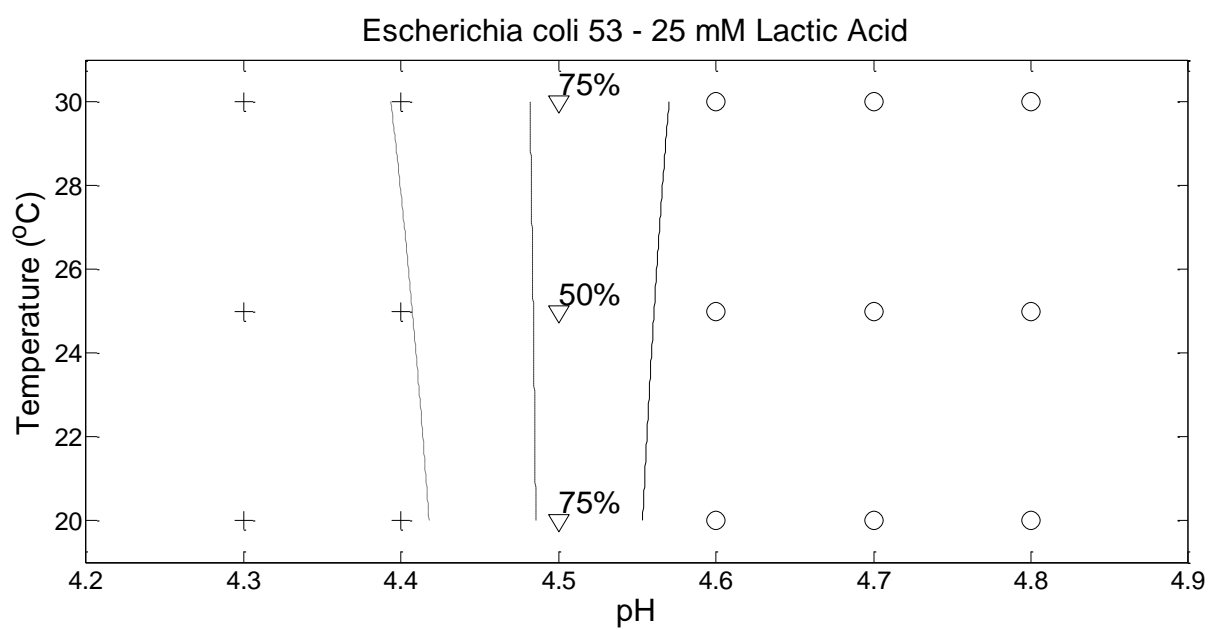
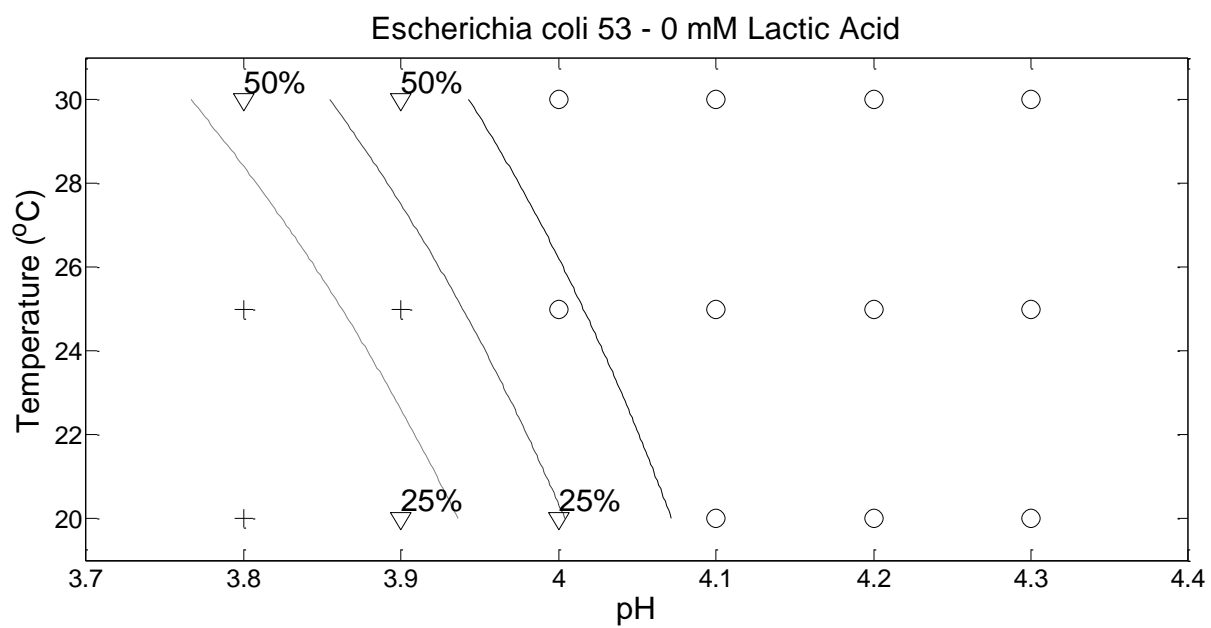
### 34. *E.coli* EC53 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-197.26	46.69	-4.22	0.00	-303.55	-117.47	0.00	0.00	0.00
pH	47.41	11.23	4.22	0.00	28.24	72.97	3.90E+20	1.84E+12	4.92E+31
LA	-0.62	0.12	-5.01	0.00	-0.92	-0.42	0.54	0.40	0.66
Temp	3.38	1.30	2.60	0.01	0.99	6.16	29.37	2.68	473.25
pH:Temp	-0.75	0.31	-2.45	0.01	-1.40	-0.18	0.47	0.25	0.83

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	207.88	
pH	1	28.68	154	179.19	0.00
LA	1	102.01	153	77.19	0.00
Temp	1	8.56	152	68.63	0.00
pH:Temp	1	6.90	151	61.73	0.01

<b>AIC</b>	71.73
<b>Likelihood Ratio</b>	1.36E-30
<b>Log-Likelihood</b>	-30.86



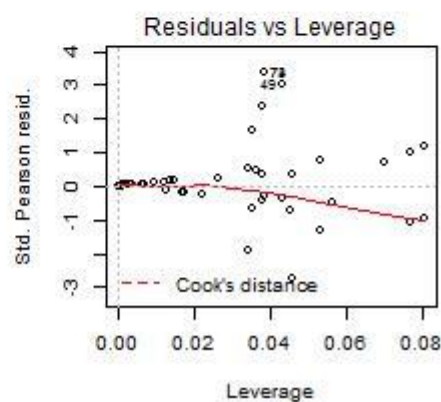
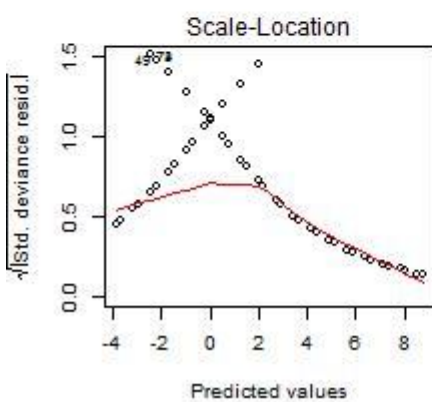
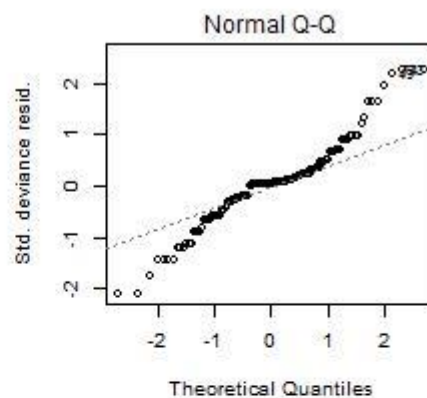
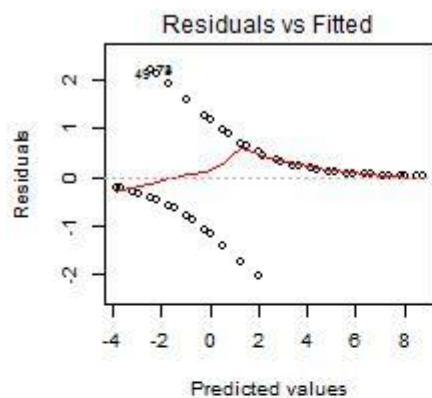


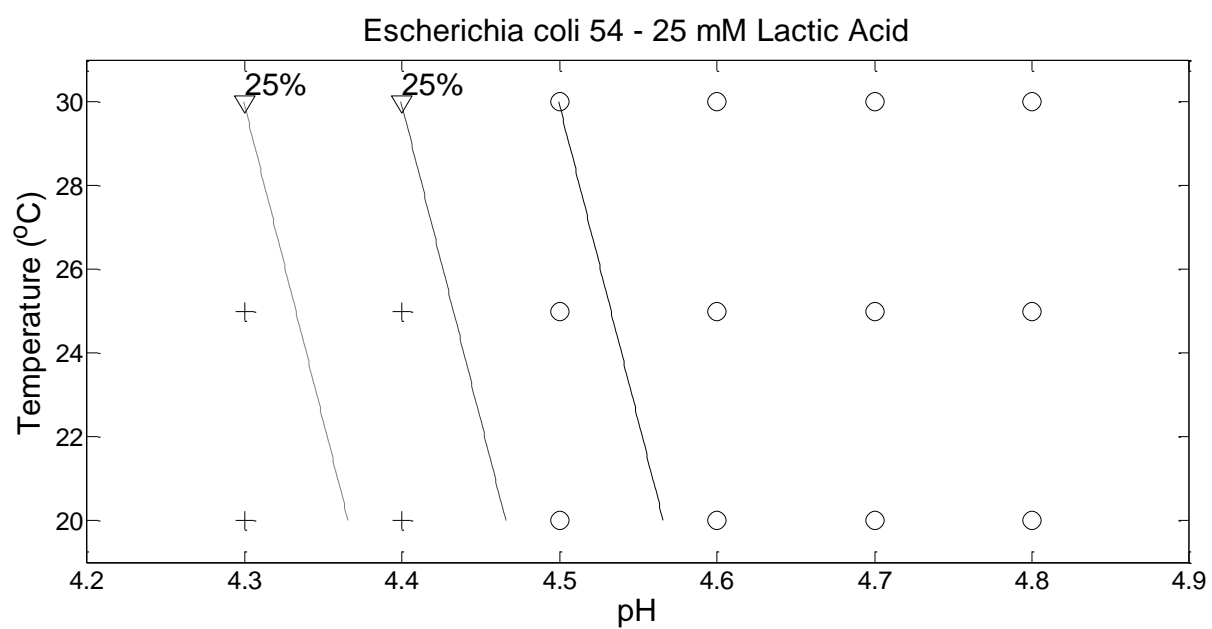
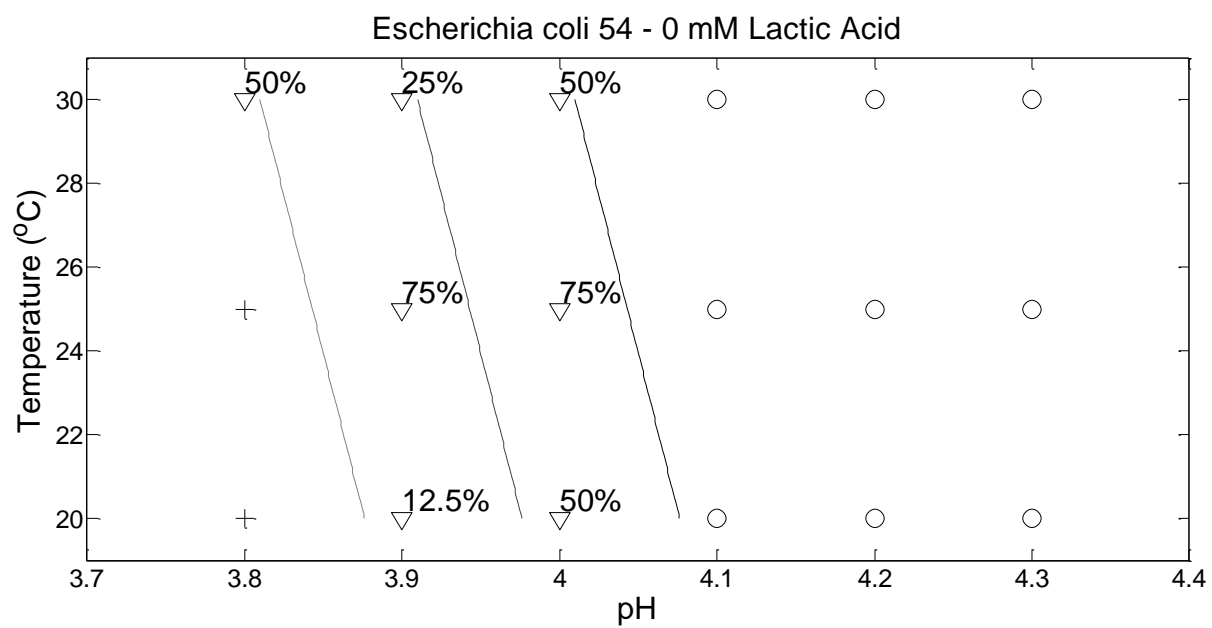
### 35. *E.coli* EC54 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-90.24	15.50	-5.82	0.00	-125.33	-63.82	0.00	0.00	0.00
pH	21.96	3.77	5.82	0.00	15.52	30.49	3.46E+09	5.51E+06	1.74E+13
LA	-0.43	0.08	-5.50	0.00	-0.61	-0.30	0.65	0.55	0.74
Temp	0.15	0.07	2.02	0.04	0.01	0.30	1.16	1.01	1.34

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	201.25	
pH	1	37.46	154	163.79	0.00
LA	1	80.10	153	83.69	0.00
Temp	1	4.37	152	79.31	0.04

<b>AIC</b>	87.31
<b>Likelihood Ratio</b>	2.95E-26
<b>Log-Likelihood</b>	-39.66





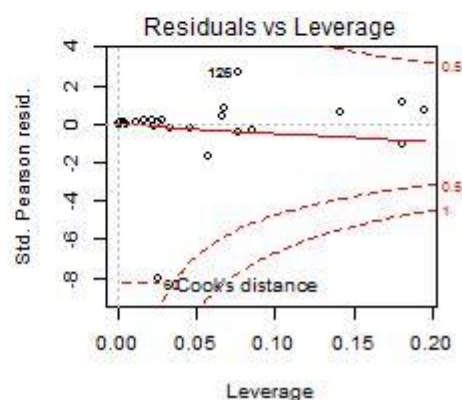
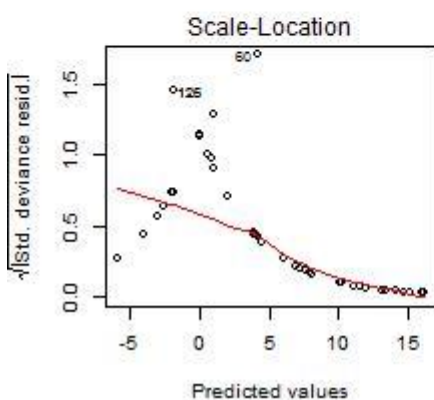
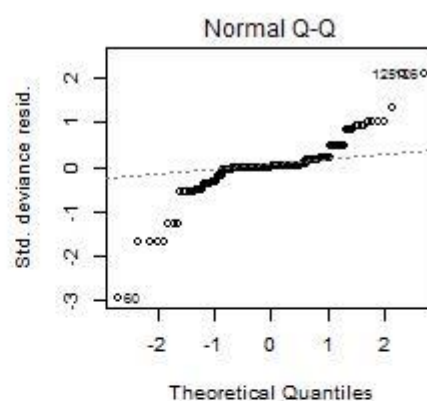
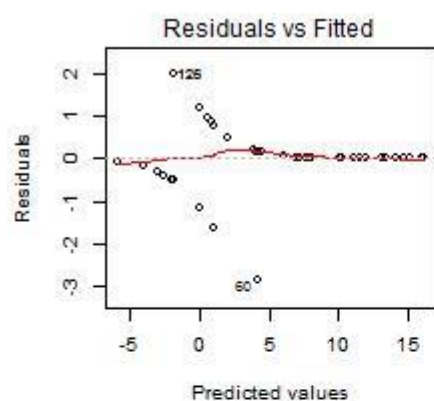


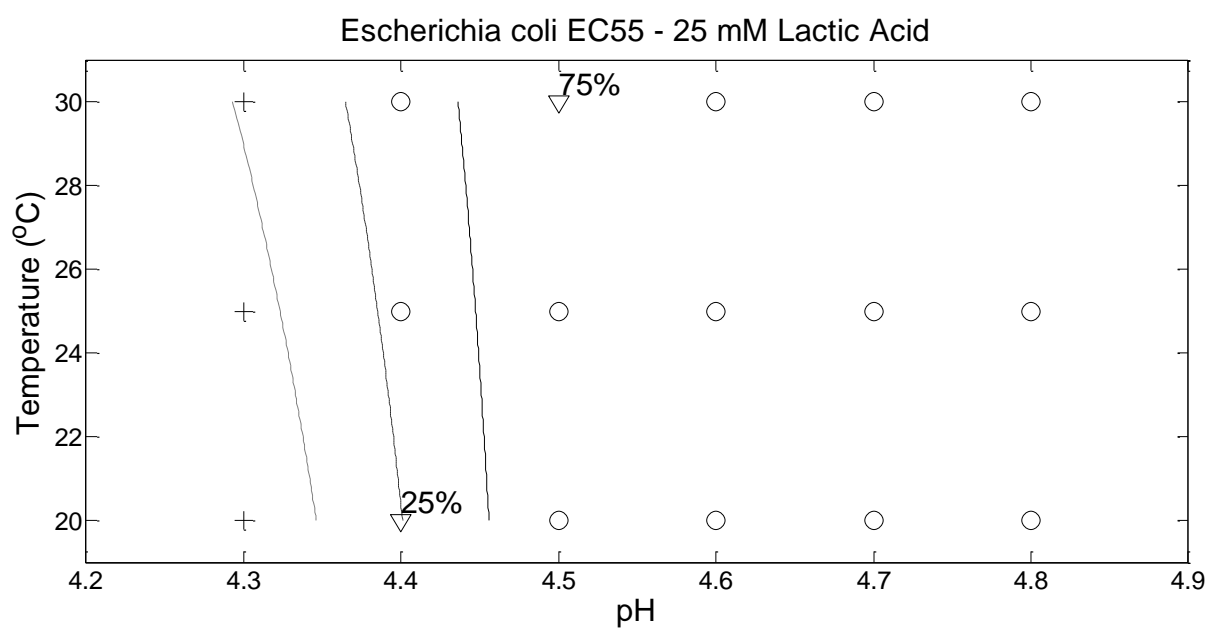
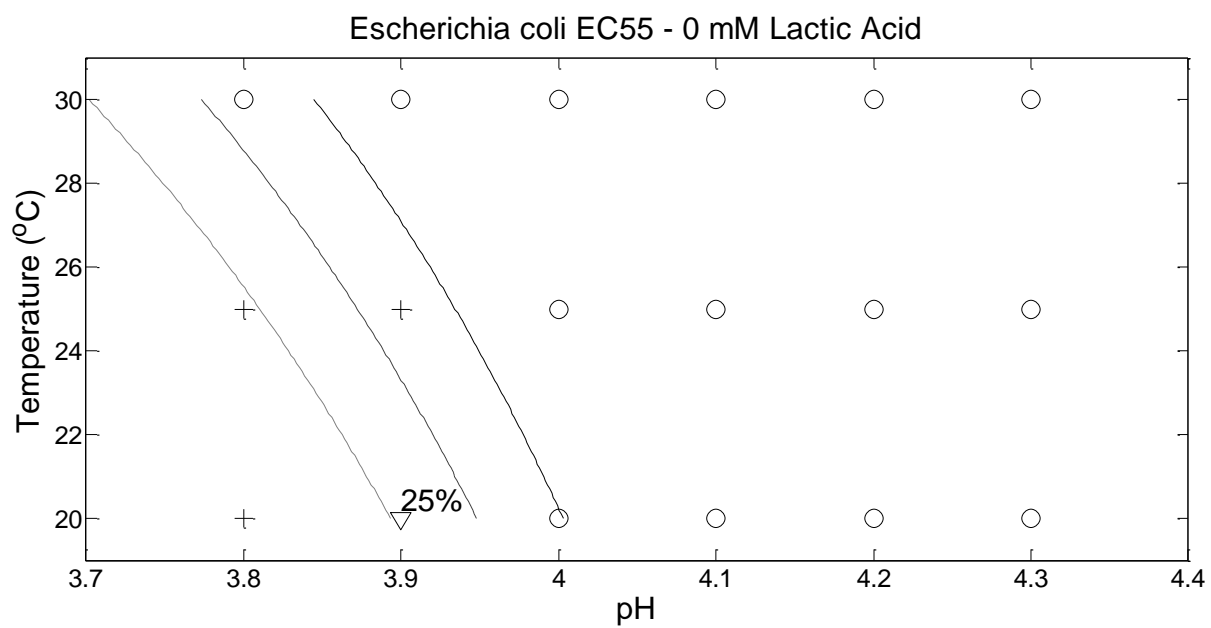
### 36. *E.coli* EC55 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-242.99	59.64	-4.07	0.00	-381.91	-142.18	0.00	0.00	0.00
pH	58.83	14.49	4.06	0.00	34.32	92.51	3.55E+25	8.04E+14	1.50E+40
LA	-0.73	0.16	-4.56	0.00	-1.11	-0.47	0.48	0.33	0.63
Temp	4.24	1.61	2.63	0.01	1.31	7.79	69.42	3.72	2411.23
pH:Temp	-0.94	0.38	-2.44	0.01	-1.77	-0.24	0.39	0.17	0.79

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	173.22	
pH	1	27.75	154	145.47	0.00
LA	1	74.09	153	71.38	0.00
Temp	1	16.52	152	54.86	0.00
pH:Temp	1	7.06	151	47.80	0.01

<b>AIC</b>	57.80
<b>Likelihood Ratio</b>	3.72E-26
<b>Log-Likelihood</b>	-23.90



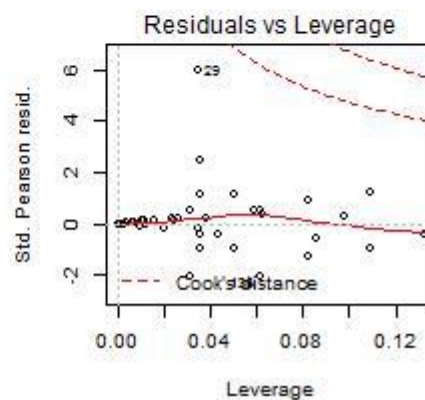
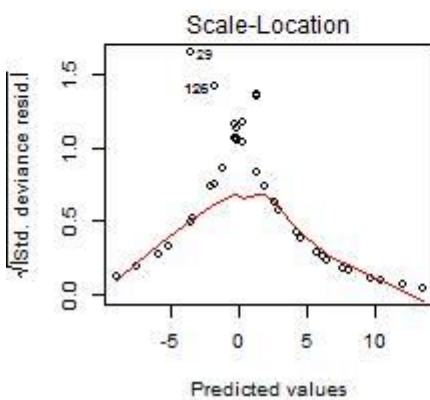
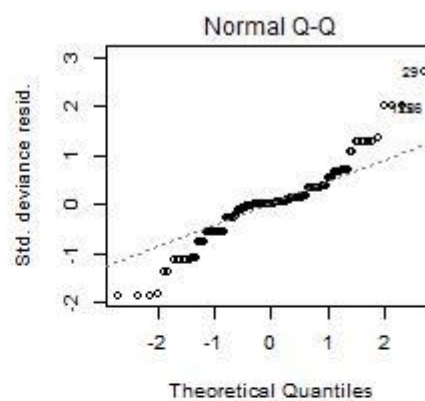
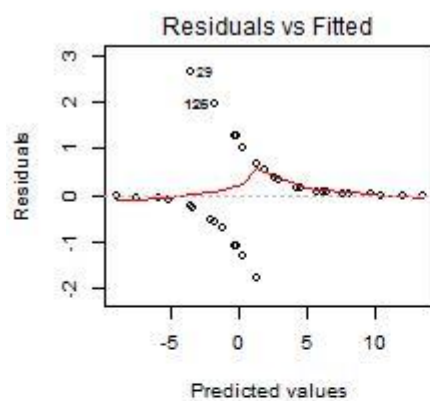


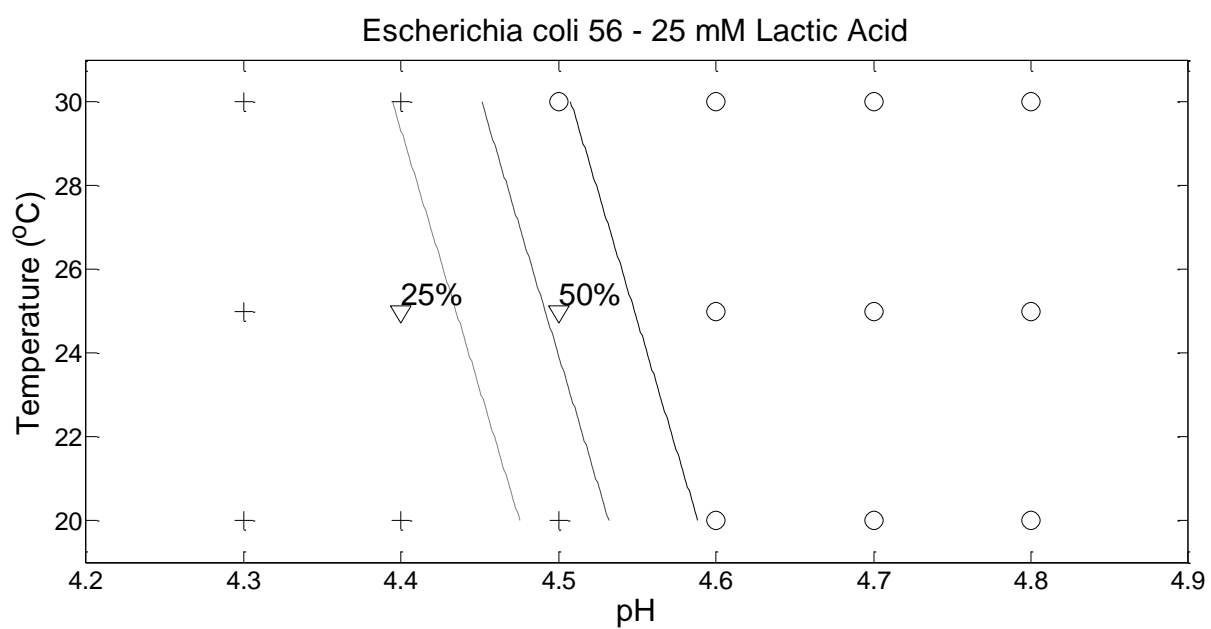
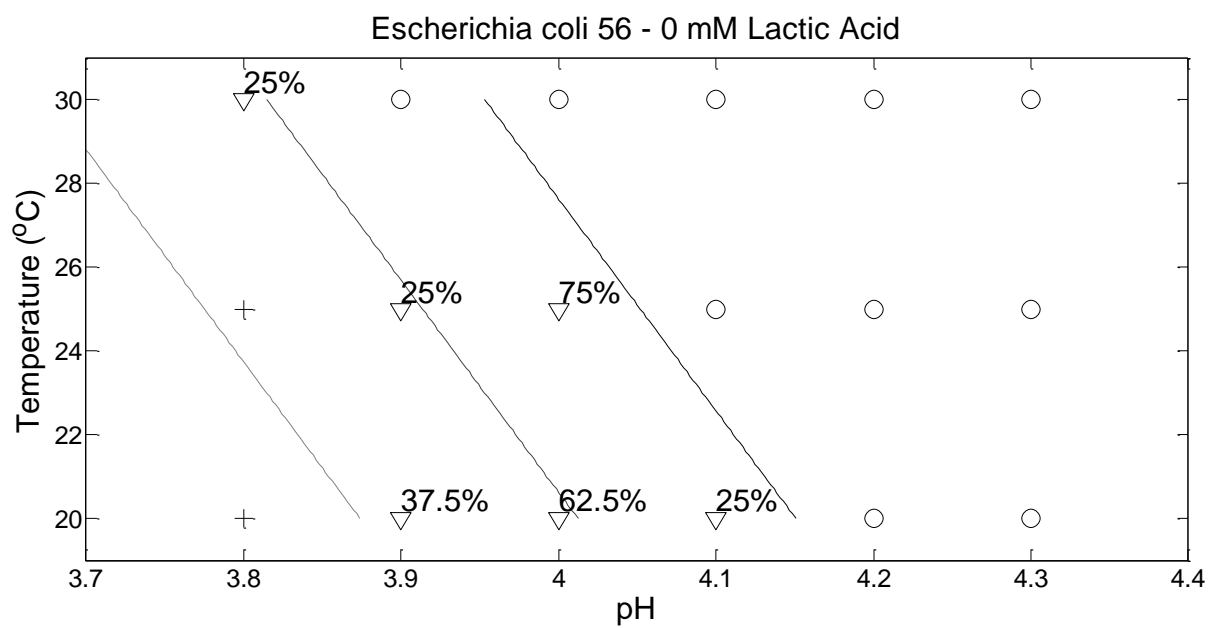
### 37. *E.coli* EC56 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-69.98	15.33	-4.57	0.00	-105.05	-44.12	0.00	0.00	0.00
pH	15.88	3.64	4.36	0.00	9.73	24.19	7.86E+06	1.69E+04	3.21E+10
LA	-4.49	1.95	-2.30	0.02	-9.81	-1.45	0.01	0.00	0.24
Temp	0.31	0.09	3.69	0.00	0.16	0.50	1.37	1.17	1.65
pH:LA	0.92	0.44	2.10	0.04	0.23	2.10	2.50	1.25	8.20

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	206.91	
pH	1	20.95	154	185.96	0.00
LA	1	88.61	153	97.35	0.00
Temp	1	16.91	152	80.44	0.00
pH:LA	1	7.67	151	72.77	0.01

<b>AIC</b>	82.77
<b>Likelihood Ratio</b>	5.07E-28
<b>Log-Likelihood</b>	-36.39



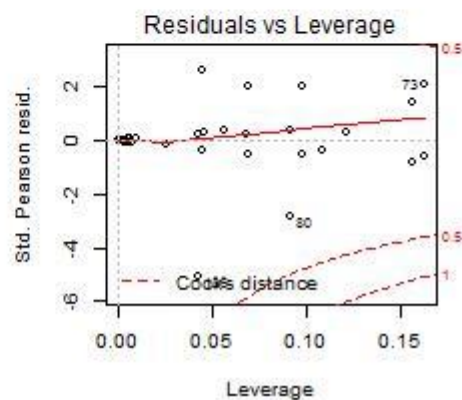
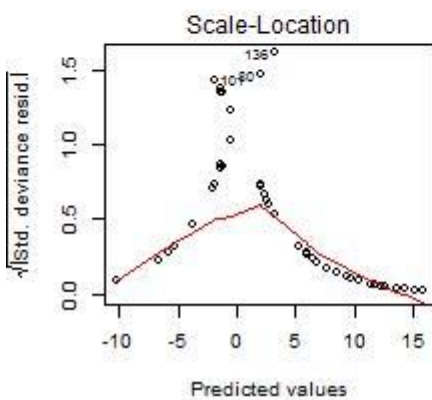
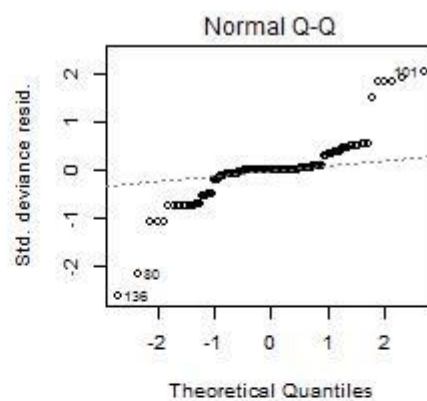
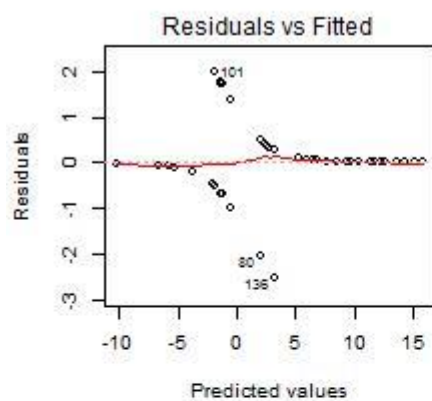


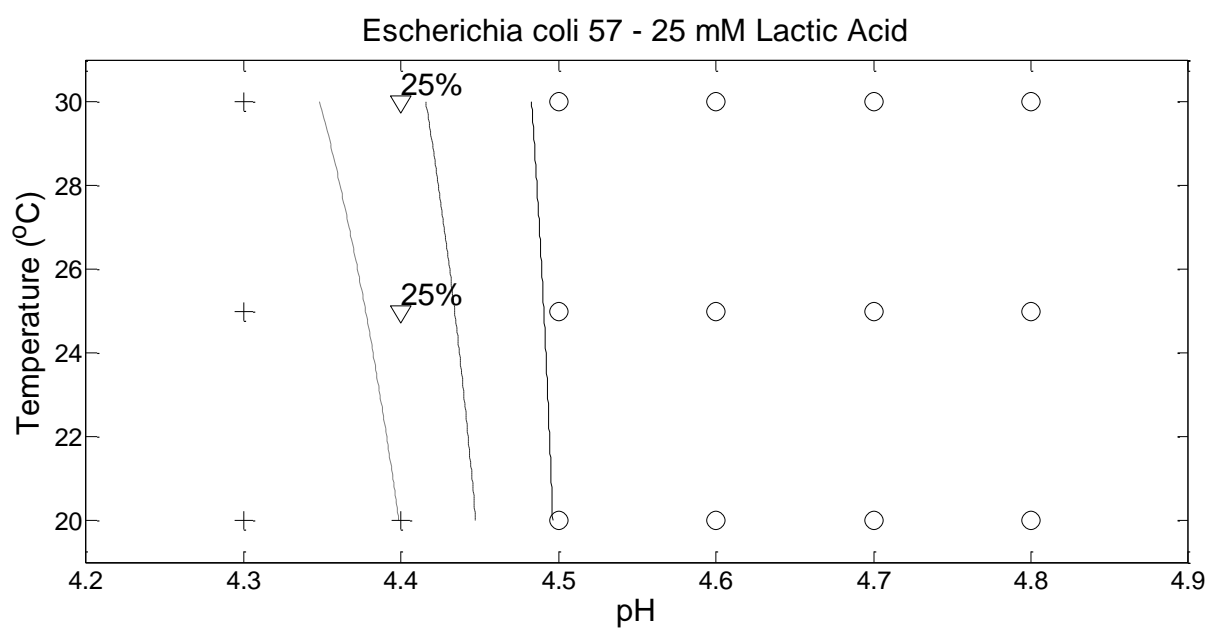
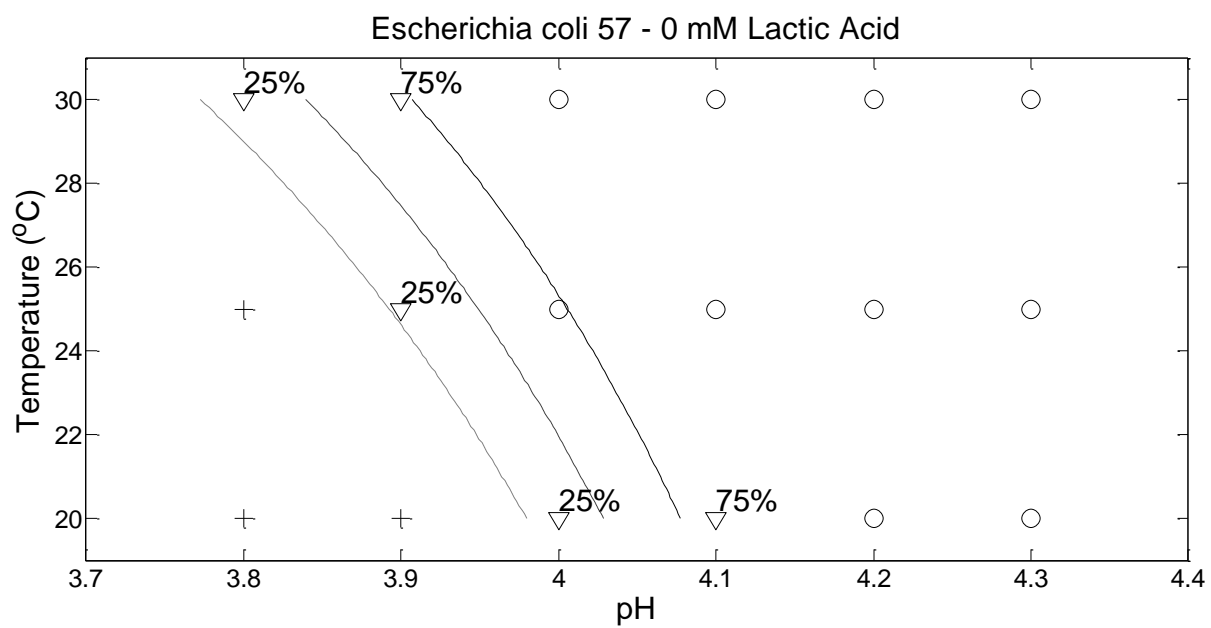
### 38. *E.coli* EC57 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-292.19	70.07	-4.17	0.00	-458.34	-175.20	0.00	0.00	0.00
pH	69.47	16.80	4.14	0.00	41.47	109.40	1.48E+30	1.02E+18	3.24E+47
LA	-0.75	0.16	-4.60	0.00	-1.14	-0.49	0.47	0.32	0.62
Temp	5.56	1.87	2.97	0.00	2.27	9.80	258.54	9.72	1.80E+04
pH:Temp	-1.23	0.44	-2.79	0.01	-2.22	-0.45	0.29	0.11	0.64

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	203.68	
pH	1	43.36	154	160.32	0.00
LA	1	86.21	153	74.11	0.00
Temp	1	19.91	152	54.20	0.00
pH:Temp	1	10.51	151	43.70	0.00

<b>AIC</b>	53.70
<b>Likelihood Ratio</b>	1.47E-33
<b>Log-Likelihood</b>	-21.85



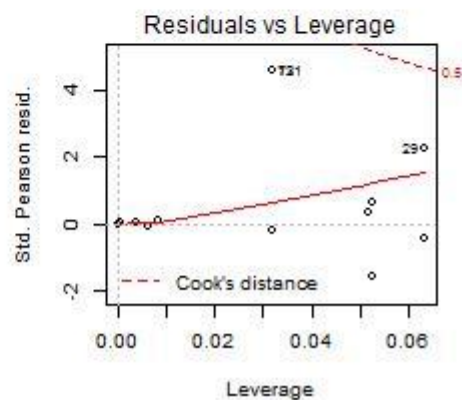
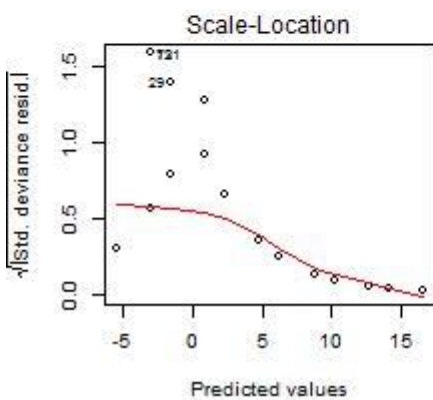
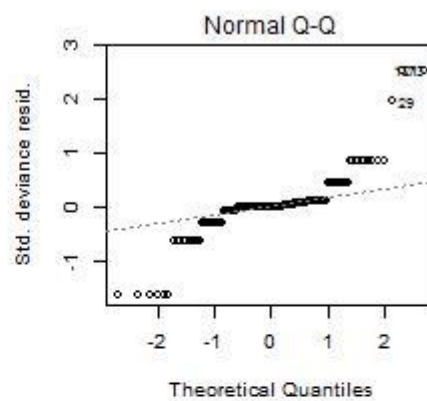
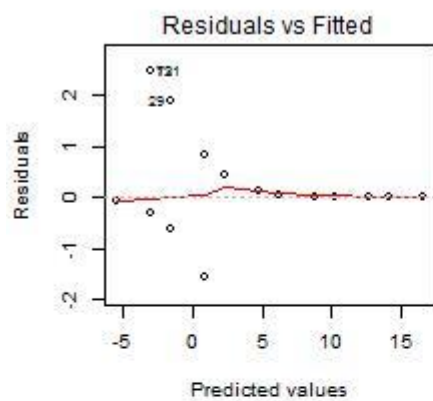


### 39. *E.coli* EC58 - isolated from sewerage system

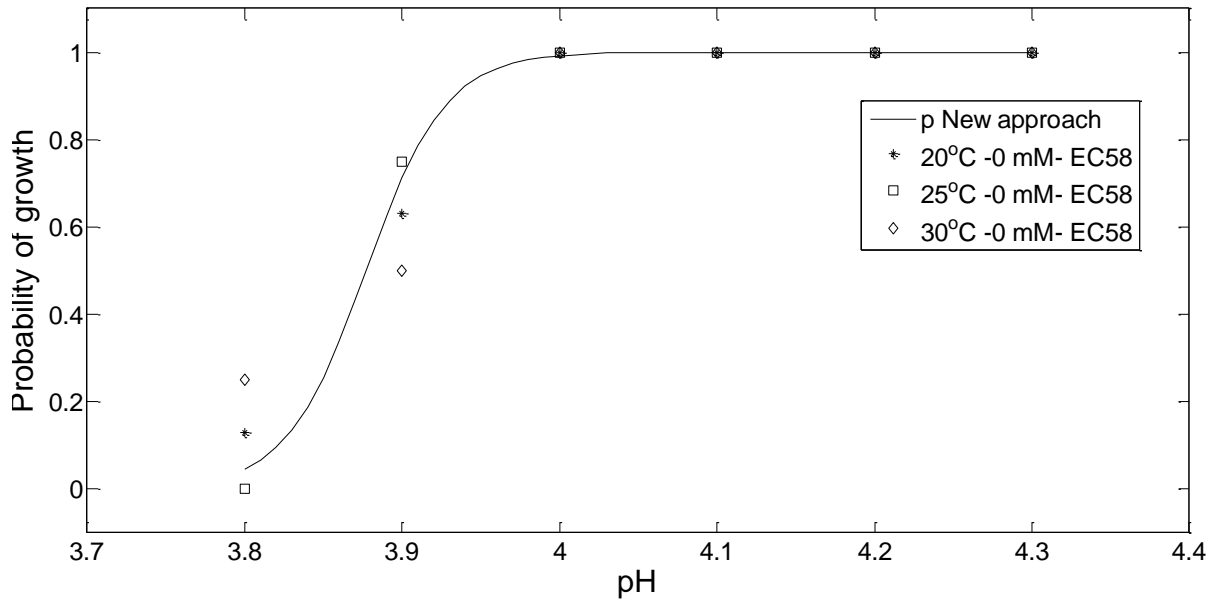
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-152.89	31.64	-4.83	0.00	-229.51	-101.28	0.00	0.00	0.00
pH	39.43	8.14	4.84	0.00	26.14	59.12	1.34E+17	2.26E+11	4.73E+25
LA	-0.89	0.18	-4.89	0.00	-1.32	-0.59	0.41	0.27	0.56

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	183.70	
pH	1	17.18	154	166.52	0.00
LA	1	120.93	153	45.59	0.00

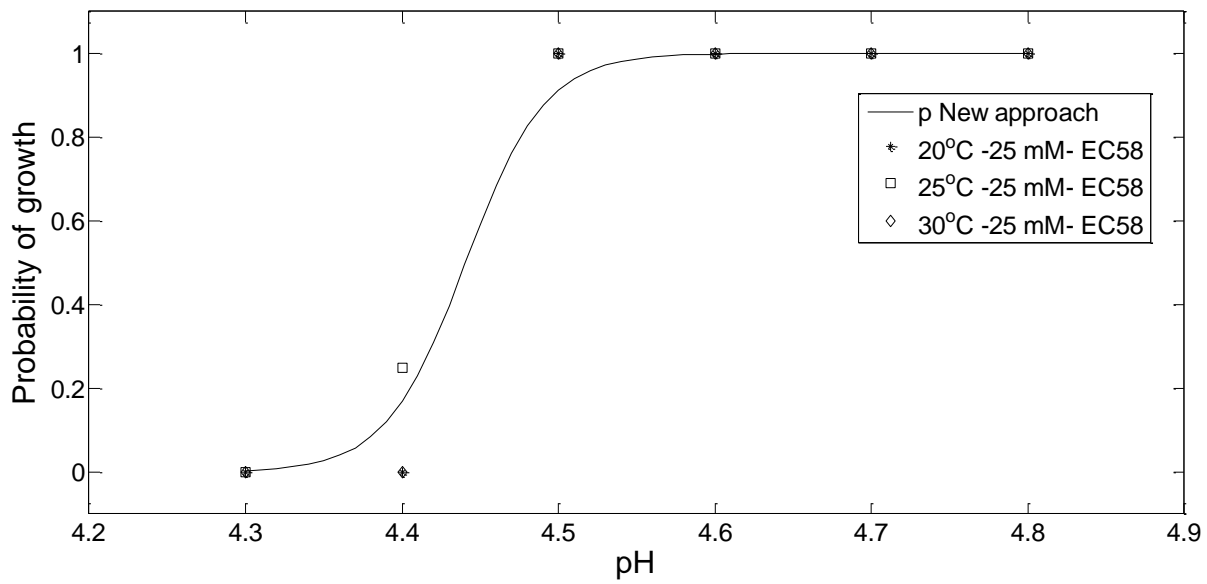
<b>AIC</b>	51.59
<b>Likelihood Ratio</b>	1.02E-30
<b>Log-Likelihood</b>	-22.79



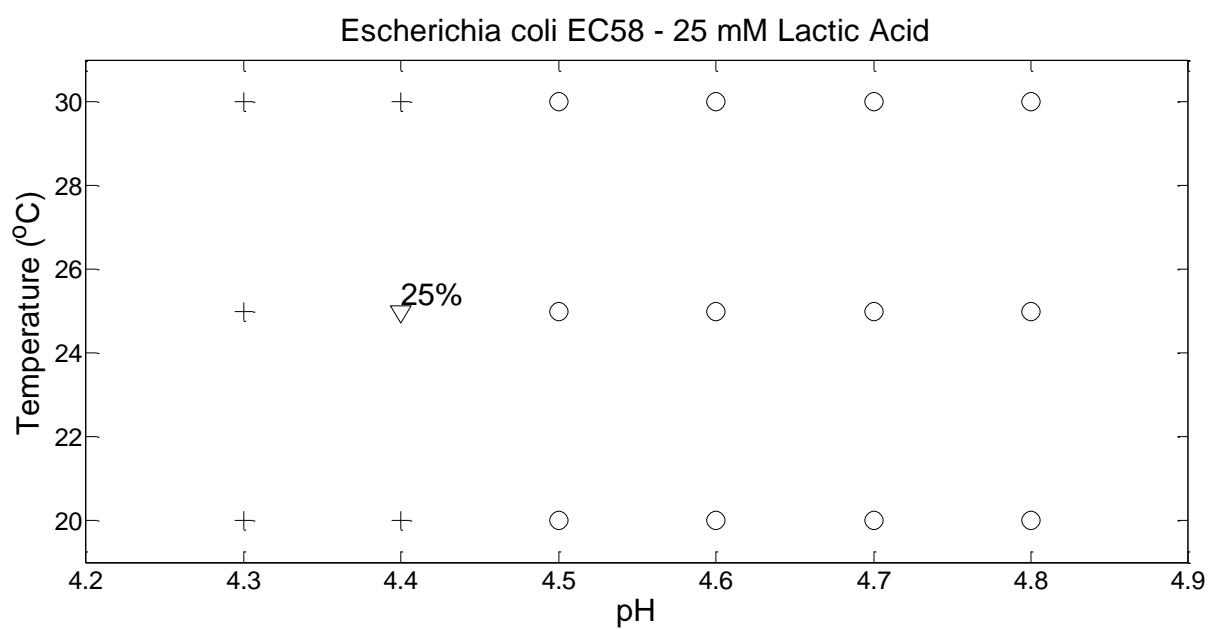
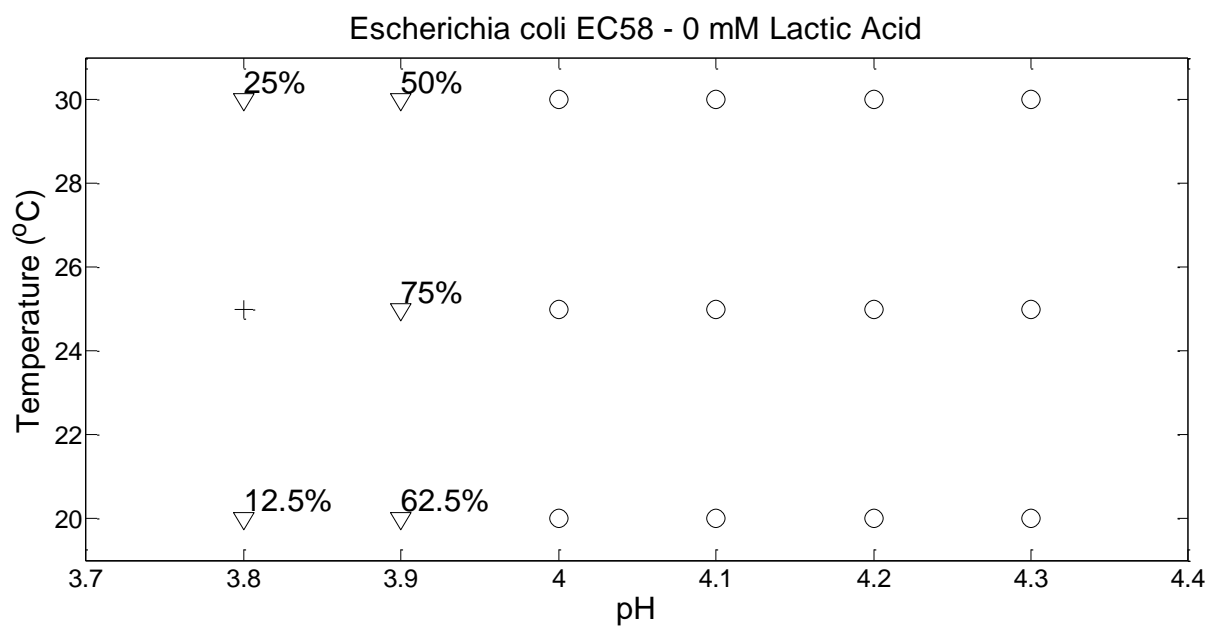
Escherichia coli EC58 - 0 mM Lactic Acid



Escherichia coli EC58 - 25 mM Lactic Acid







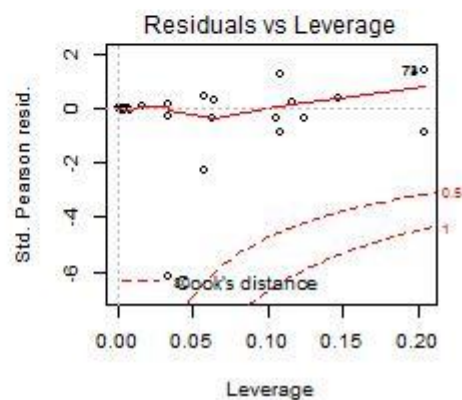
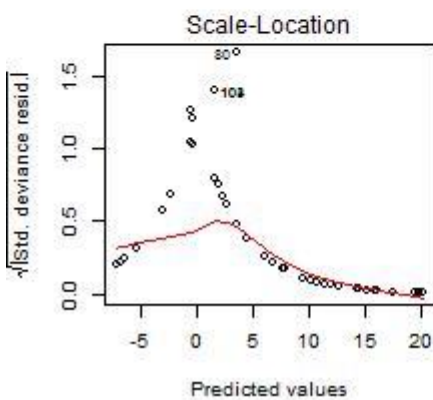
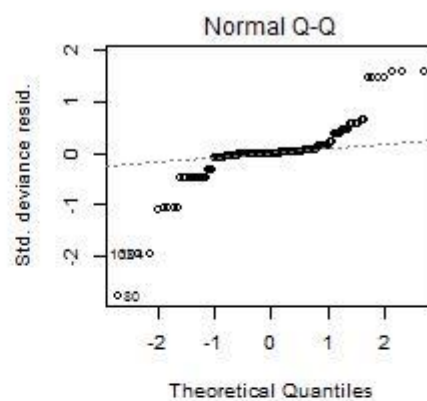
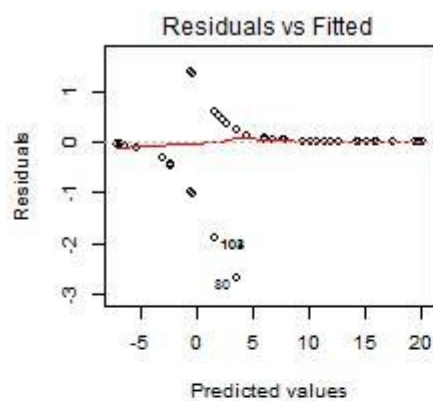


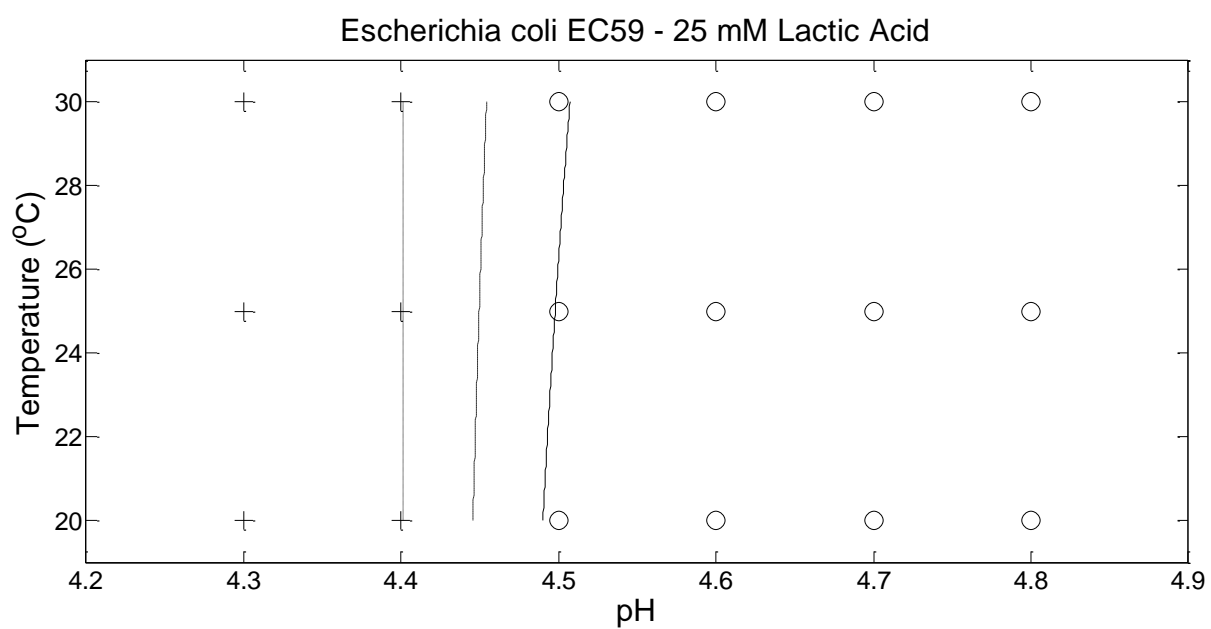
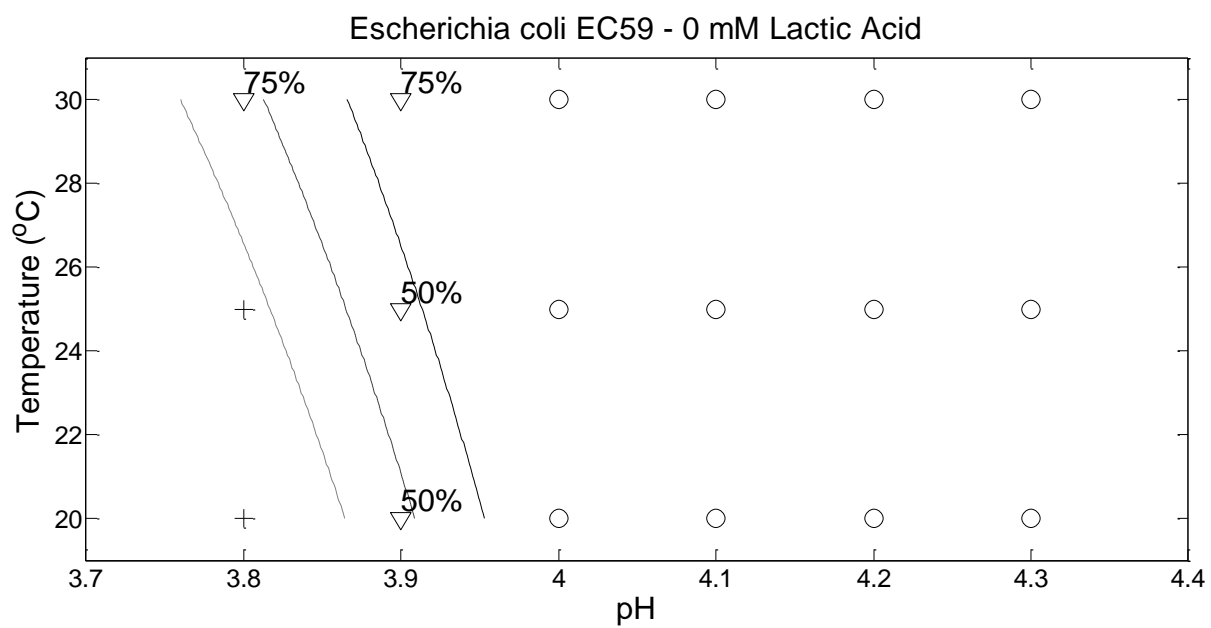
#### 40. *E.coli* EC59 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-264.75	69.56	-3.81	0.00	-438.82	-152.59	0.00	0.00	0.00
pH	65.70	17.27	3.80	0.00	37.98	109.13	3.41E+28	3.13E+16	2.48E+47
LA	-1.06	0.24	-4.40	0.00	-1.65	-0.68	0.35	0.19	0.51
Temp	3.55	1.63	2.17	0.03	0.66	7.34	34.97	1.93	1533.32
pH:Temp	-0.81	0.40	-2.04	0.04	-1.72	-0.11	0.45	0.18	0.90

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	185.60	
pH	1	15.75	154	169.85	0.00
LA	1	120.14	153	49.71	0.00
Temp	1	5.34	152	44.37	0.02
pH:Temp	1	5.20	151	39.17	0.02

<b>AIC</b>	49.17
<b>Likelihood Ratio</b>	1.19E-30
<b>Log-Likelihood</b>	-19.59



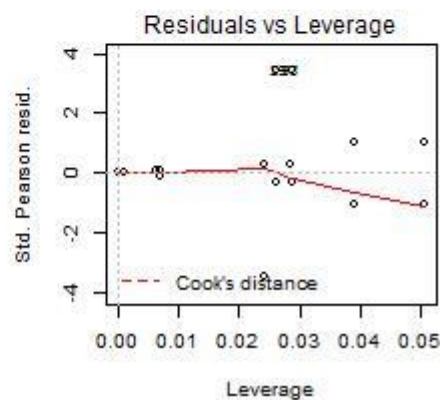
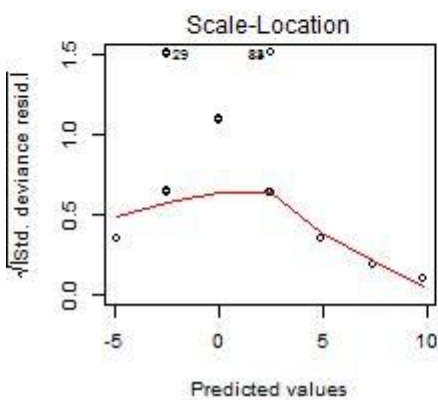
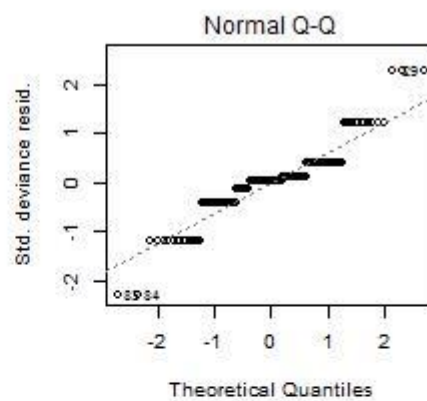
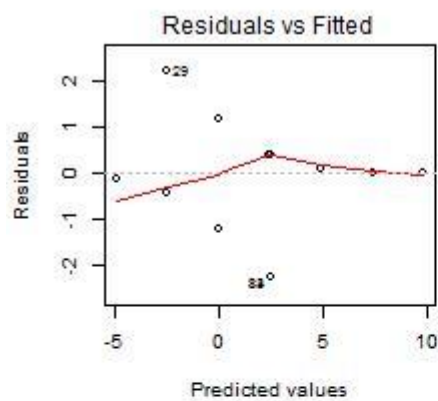


#### 41. *E.coli* EC60 - isolated from sewerage system

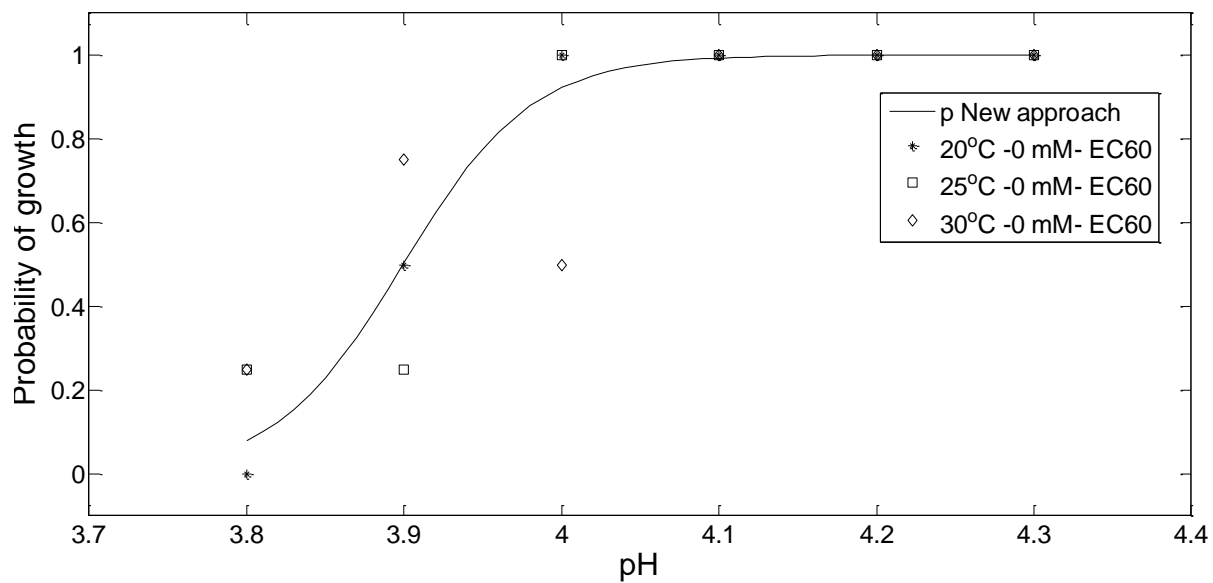
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-95.73	17.02	-5.62	0.00	-135.18	-67.09	0.00	0.00	0.00
pH	24.55	4.36	5.63	0.00	17.22	34.66	4.60E+10	3.00E+07	1.13E+15
LA	-0.59	0.11	-5.51	0.00	-0.84	-0.41	0.55	0.43	0.66

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	201.25	
pH	1	13.44	154	187.81	0.00
LA	1	114.66	153	73.15	0.00

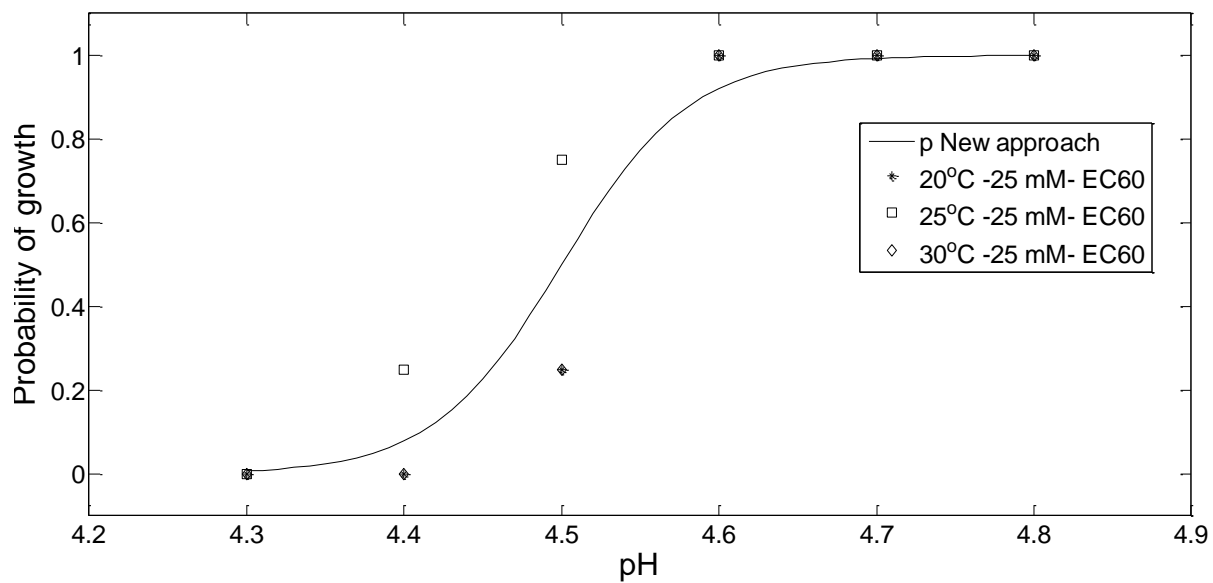
<b>AIC</b>	79.15
<b>Likelihood Ratio</b>	1.53E-28
<b>Log-Likelihood</b>	-36.58

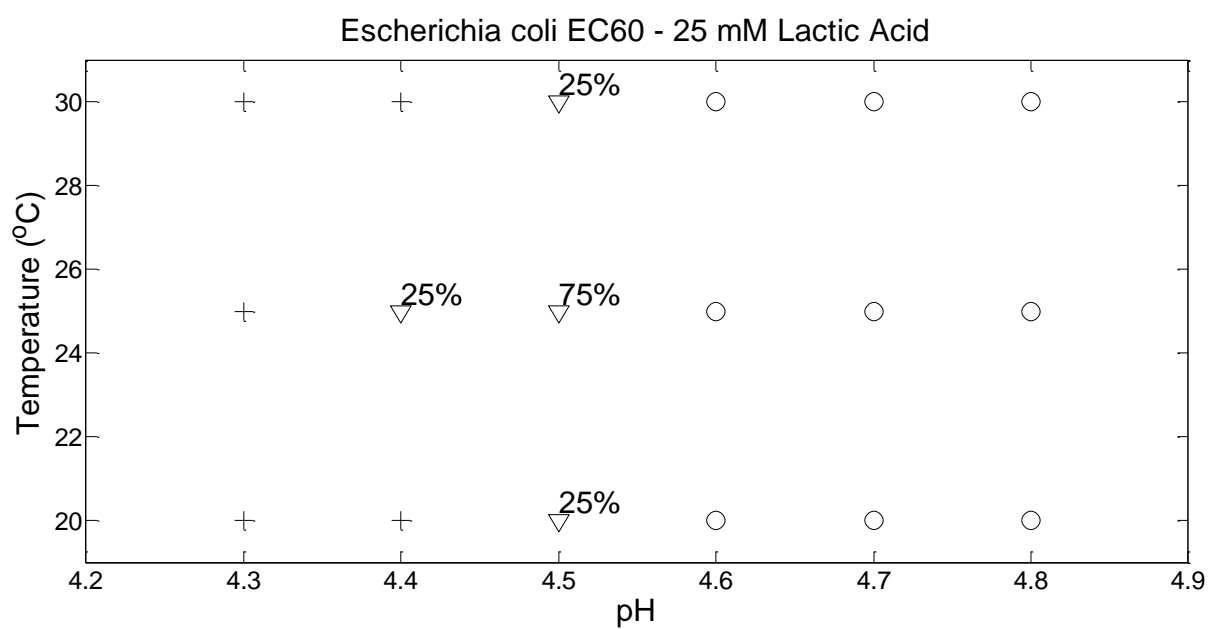
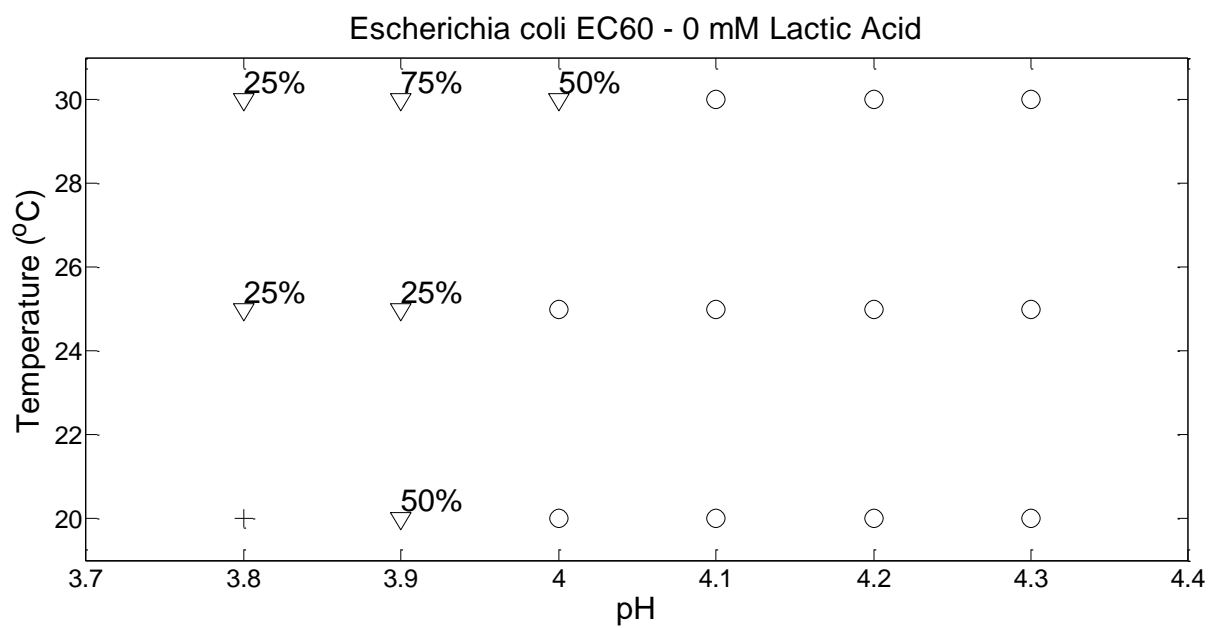


Escherichia coli EC60 - 0 mM Lactic Acid



Escherichia coli EC60 - 25 mM Lactic Acid







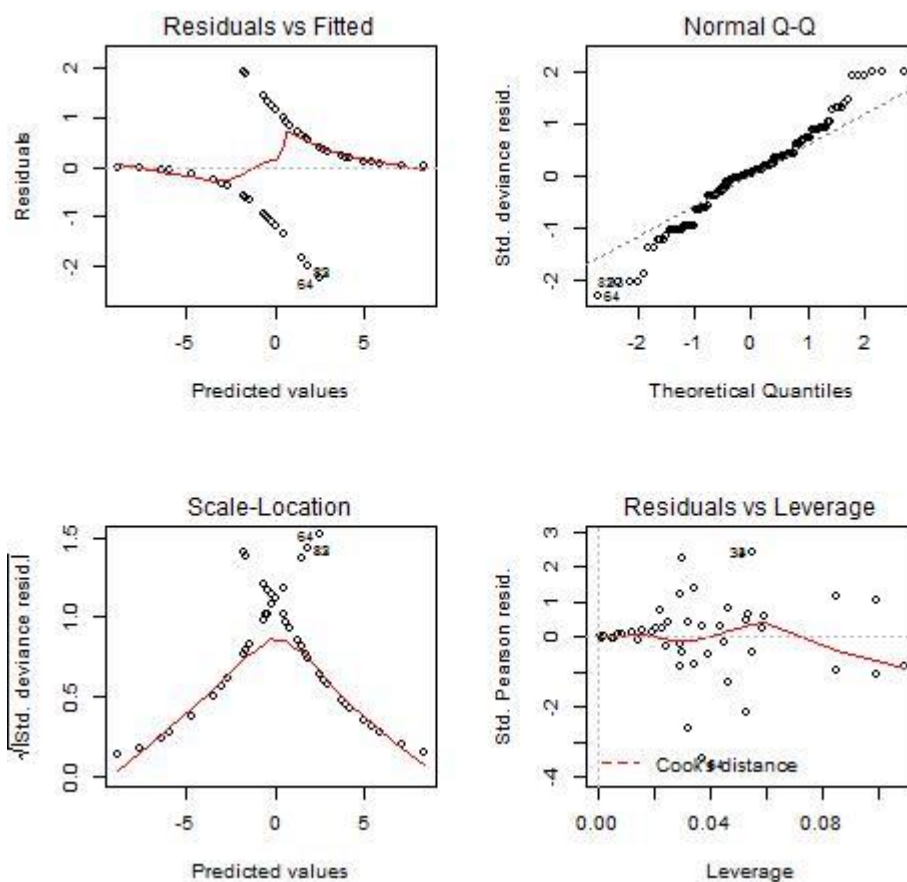


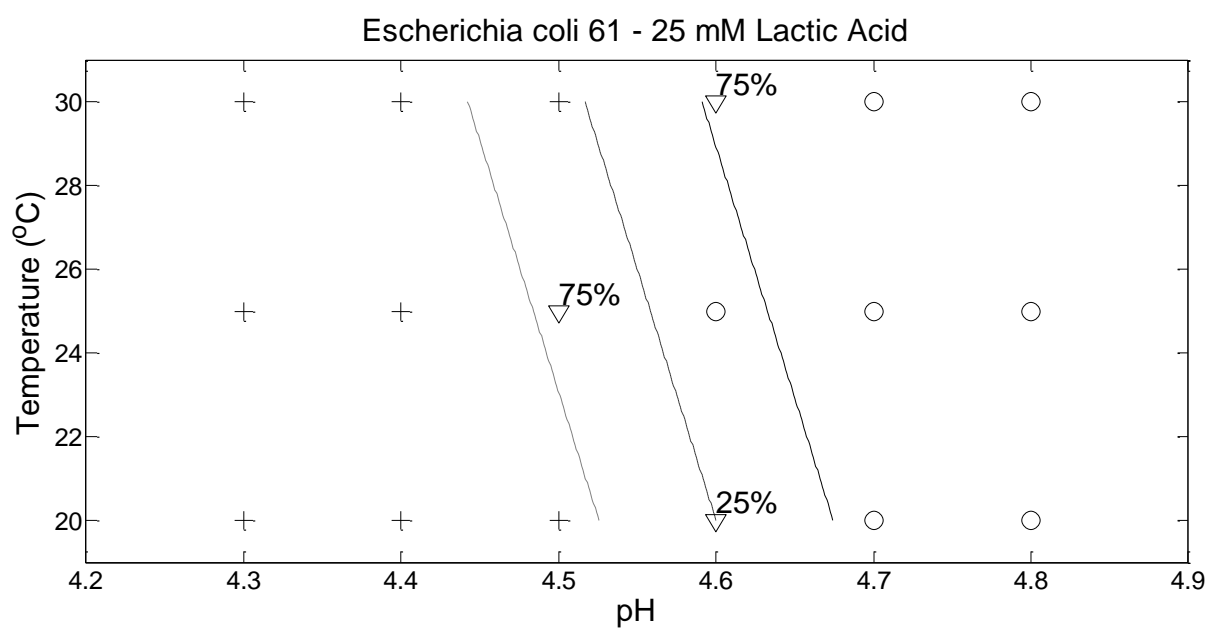
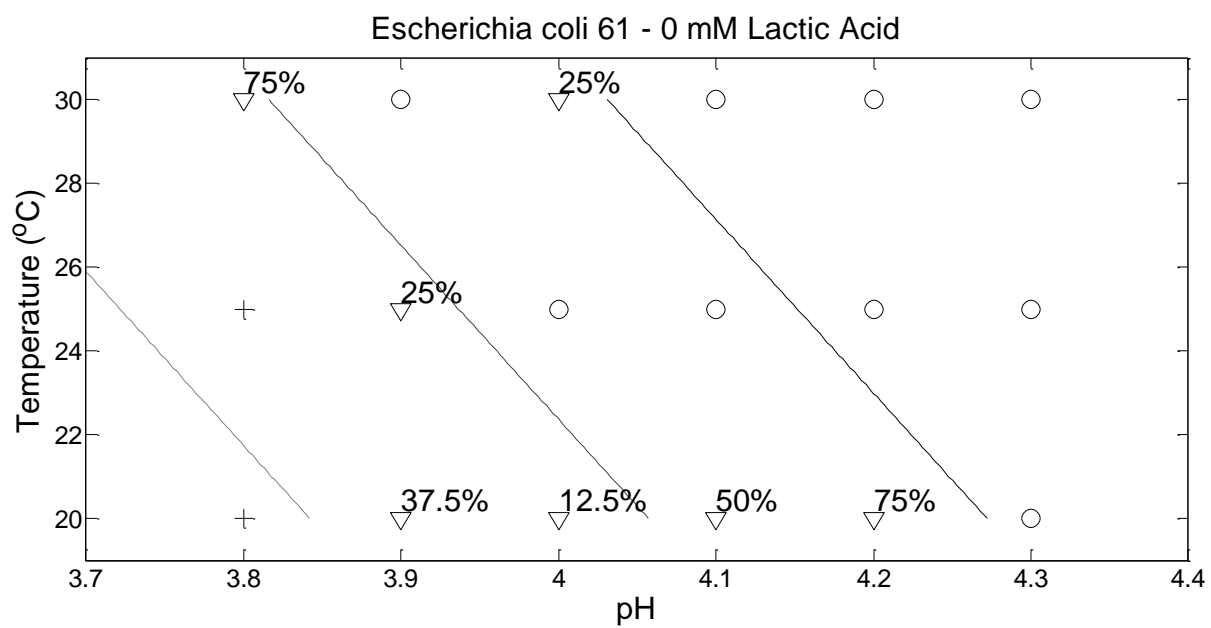
## 42. E.coli EC61 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-46.38	9.88	-4.69	0.00	-68.14	-28.95	0.00	0.00	0.00
pH	10.22	2.34	4.38	0.00	6.09	15.35	2.74E+04	4.39E+02	4.66E+06
LA	-3.78	1.36	-2.77	0.01	-7.02	-1.57	0.02	0.00	0.21
Temp	0.25	0.07	3.60	0.00	0.12	0.39	1.28	1.13	1.48
pH:LA	0.77	0.30	2.56	0.01	0.28	1.49	2.17	1.32	4.42

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.00	
pH	1	12.80	154	202.20	0.00
LA	1	80.32	153	121.88	0.00
Temp	1	13.61	152	108.27	0.00
pH:LA	1	11.40	151	96.87	0.00

<b>AIC</b>	106.87
<b>Likelihood Ratio</b>	1.34E-24
<b>Log-Likelihood</b>	-48.43



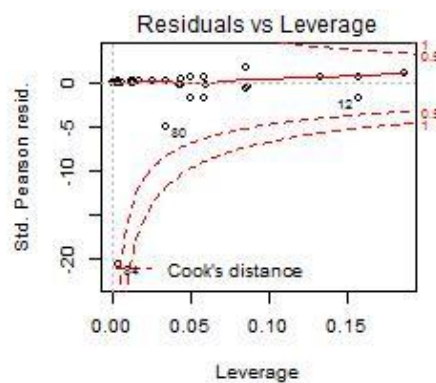
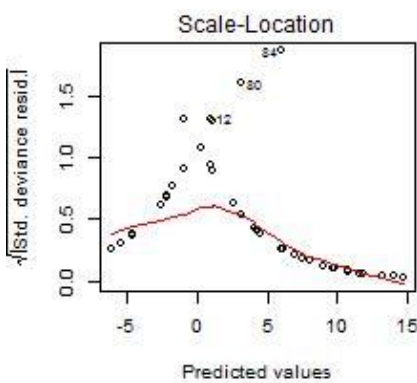
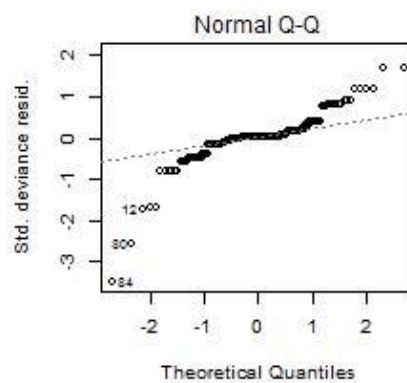
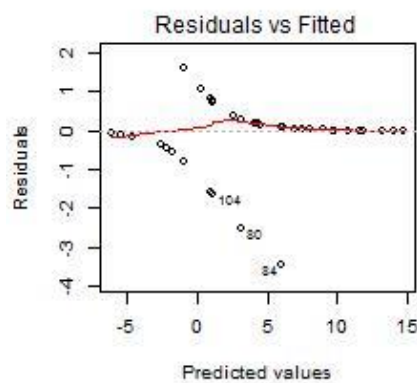


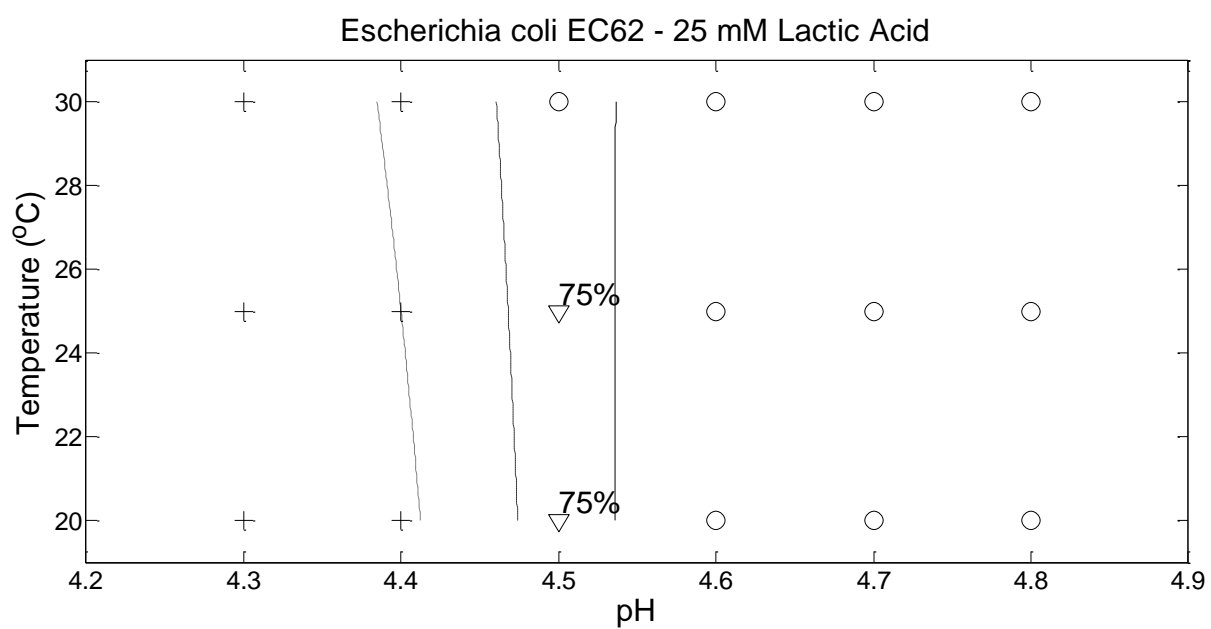
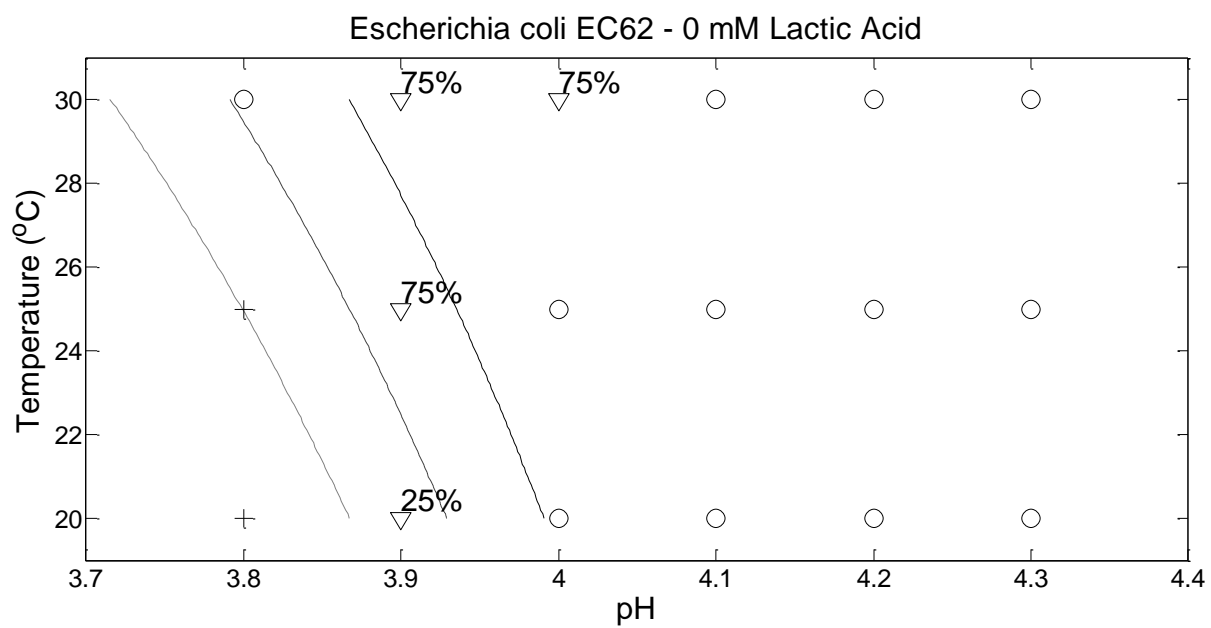
### 43. *E.coli* EC62 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-199.84	46.09	-4.34	0.00	-303.10	-120.25	0.00	0.00	0.00
pH	48.83	11.25	4.34	0.00	29.43	74.10	1.61E+21	6.04E+12	1.51E+32
LA	-0.78	0.16	-4.88	0.00	-1.16	-0.52	0.46	0.32	0.60
Temp	3.00	1.24	2.42	0.02	0.69	5.62	20.04	2.00	276.50
pH:Temp	-0.66	0.30	-2.24	0.03	-1.28	-0.11	0.52	0.28	0.90

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	190.93	
pH	1	13.74	154	177.19	0.00
LA	1	108.92	153	68.27	0.00
Temp	1	9.06	152	59.21	0.00
pH:Temp	1	5.56	151	53.64	0.02

<b>AIC</b>	63.64
<b>Likelihood Ratio</b>	1.08E-28
<b>Log-Likelihood</b>	-26.82



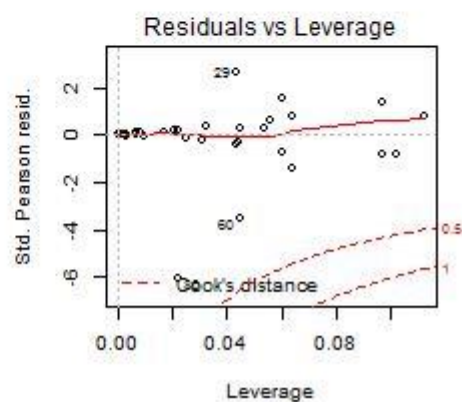
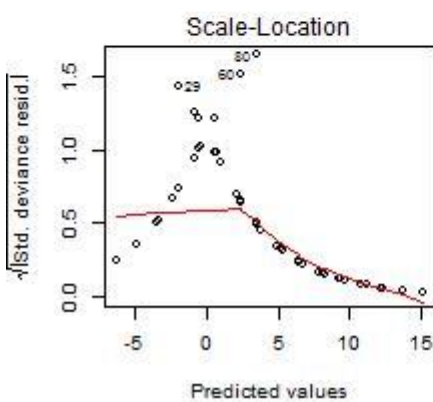
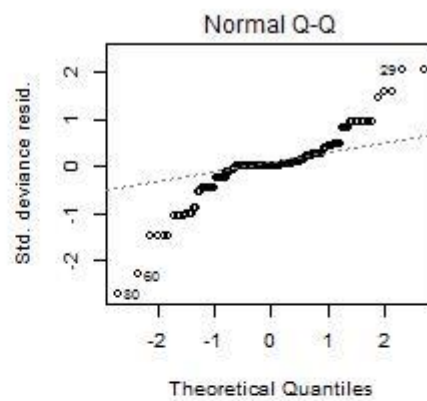
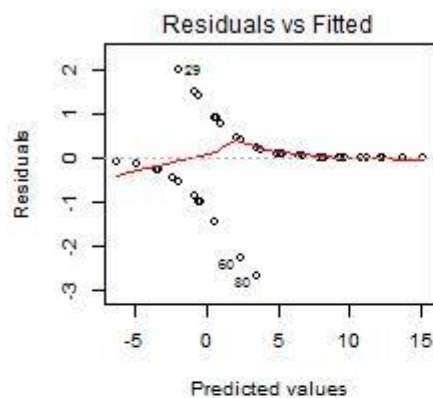


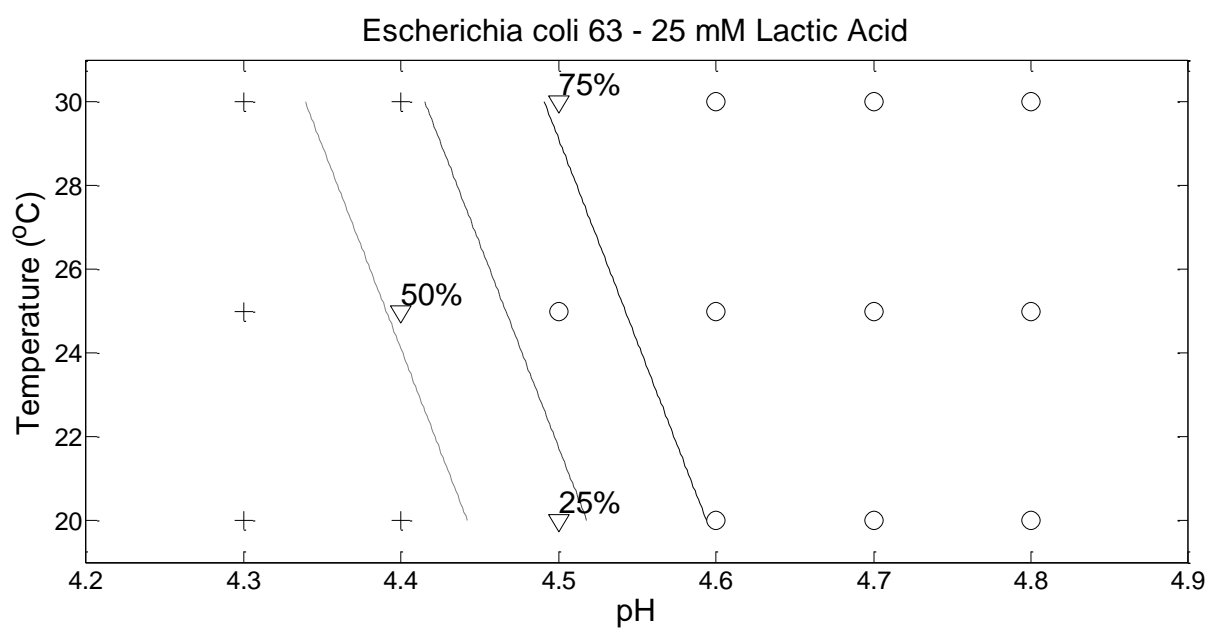
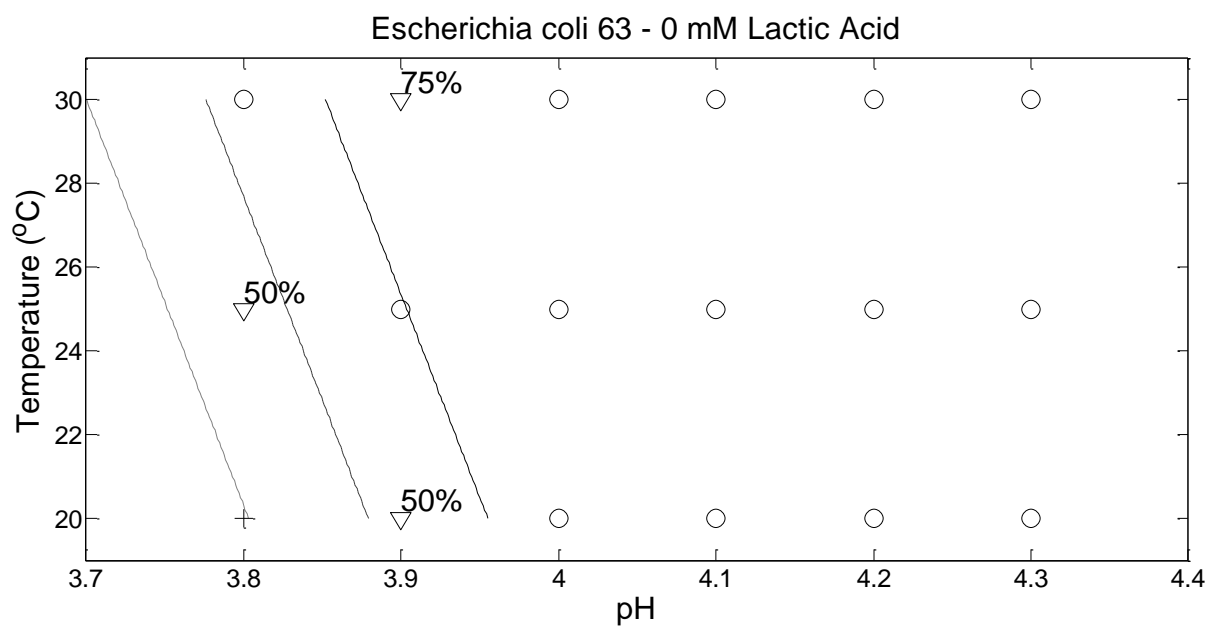
#### 44. *E.coli* EC63 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-118.24	23.85	-4.96	0.00	-174.23	-78.85	0.00	0.00	0.00
pH	28.94	5.85	4.95	0.00	19.28	42.66	3.71E+12	2.36E+08	3.37E+18
LA	-0.74	0.15	-4.98	0.00	-1.09	-0.49	0.48	0.34	0.61
Temp	0.30	0.10	3.08	0.00	0.12	0.51	1.35	1.13	1.67

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	179.71	
pH	1	5.44	154	174.27	0.02
LA	1	102.83	153	71.44	0.00
Temp	1	12.49	152	58.95	0.00

<b>AIC</b>	66.95
<b>Likelihood Ratio</b>	5.29E-26
<b>Log-Likelihood</b>	-29.47



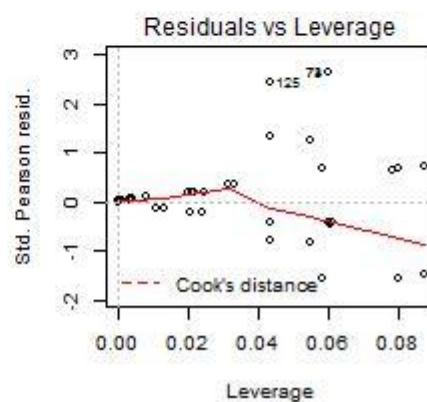
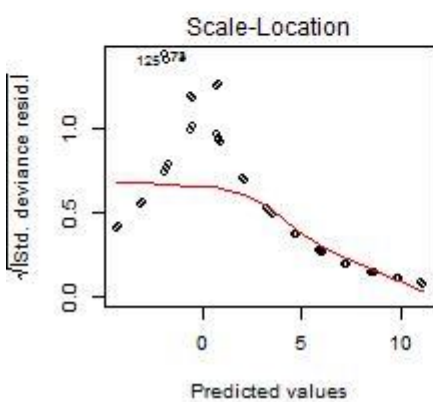
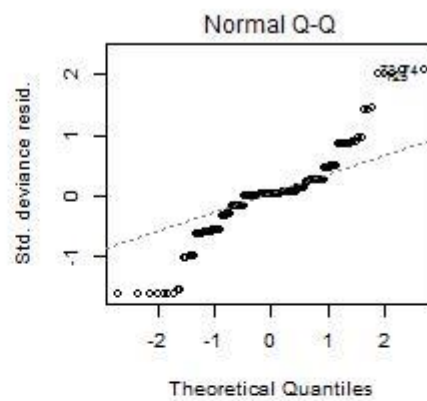
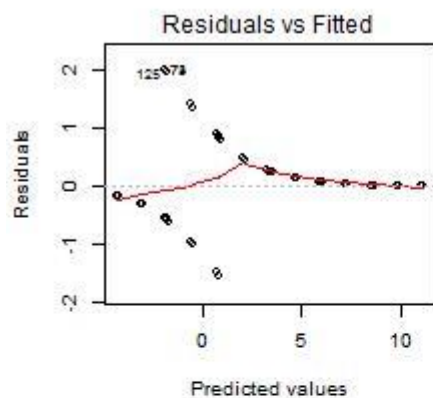


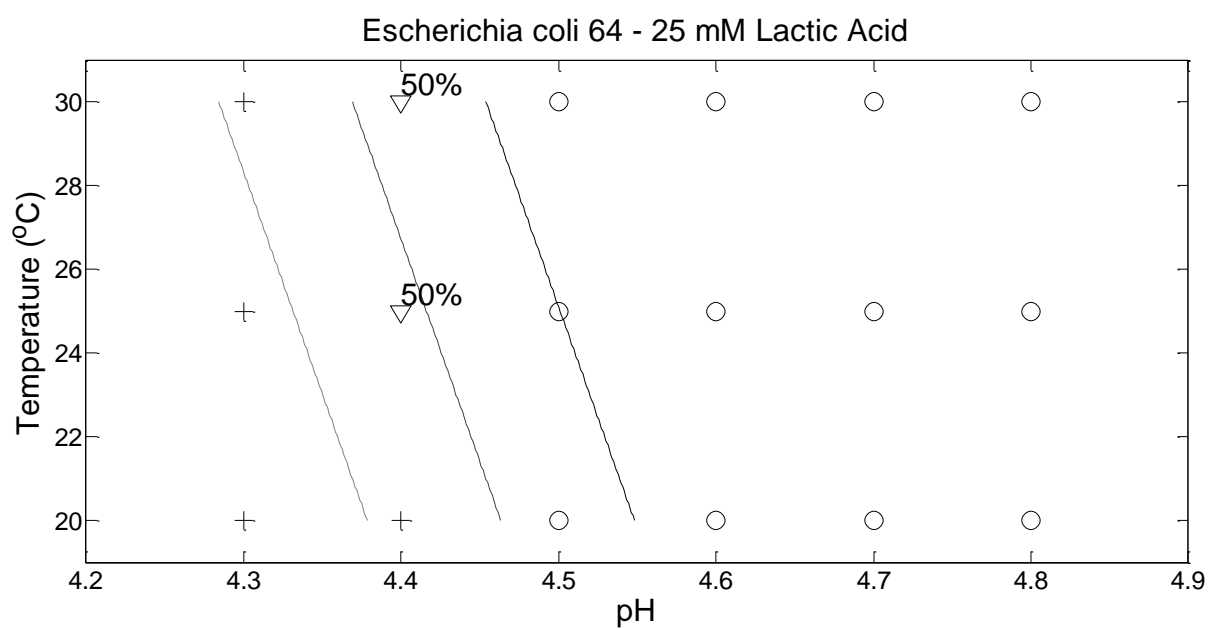
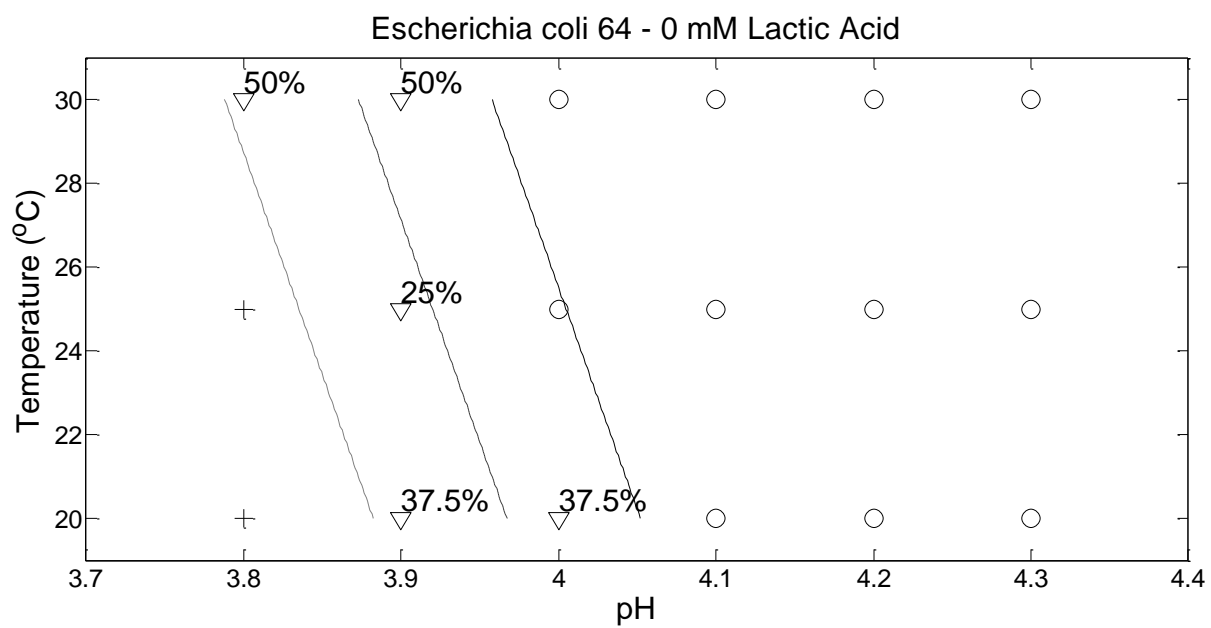
#### 45. *E.coli* EC64 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-107.63	19.69	-5.47	0.00	-152.57	-74.43	0.00	0.00	0.00
pH	25.90	4.74	5.46	0.00	17.89	36.70	1.77E+11	5.89E+07	8.71E+15
LA	-0.51	0.10	-5.25	0.00	-0.74	-0.35	0.60	0.48	0.71
Temp	0.24	0.09	2.86	0.00	0.09	0.43	1.28	1.09	1.54

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	194.17	
pH	1	35.56	154	158.61	0.00
LA	1	80.54	153	78.07	0.00
Temp	1	10.05	152	68.02	0.00

<b>AIC</b>	76.02
<b>Likelihood Ratio</b>	3.65E-27
<b>Log-Likelihood</b>	-34.01





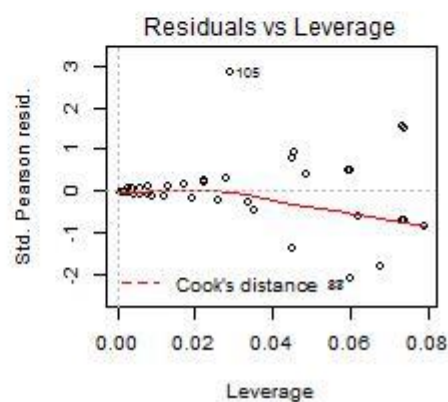
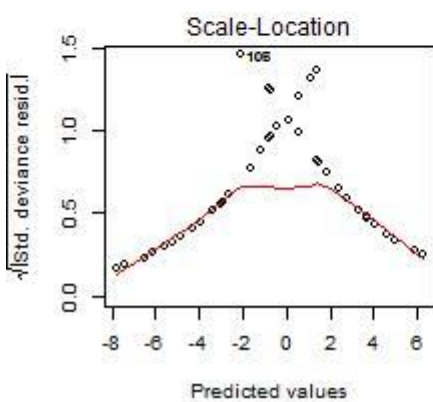
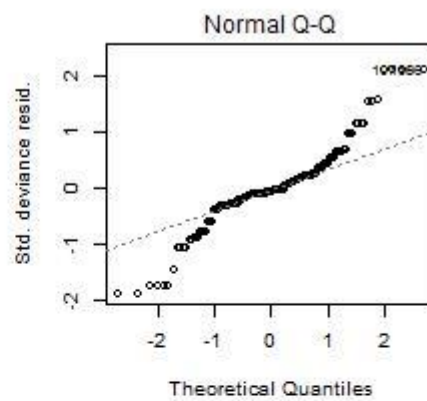
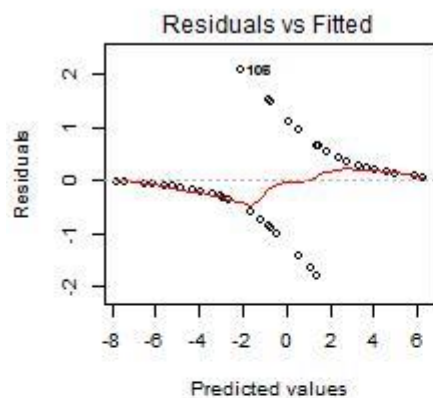


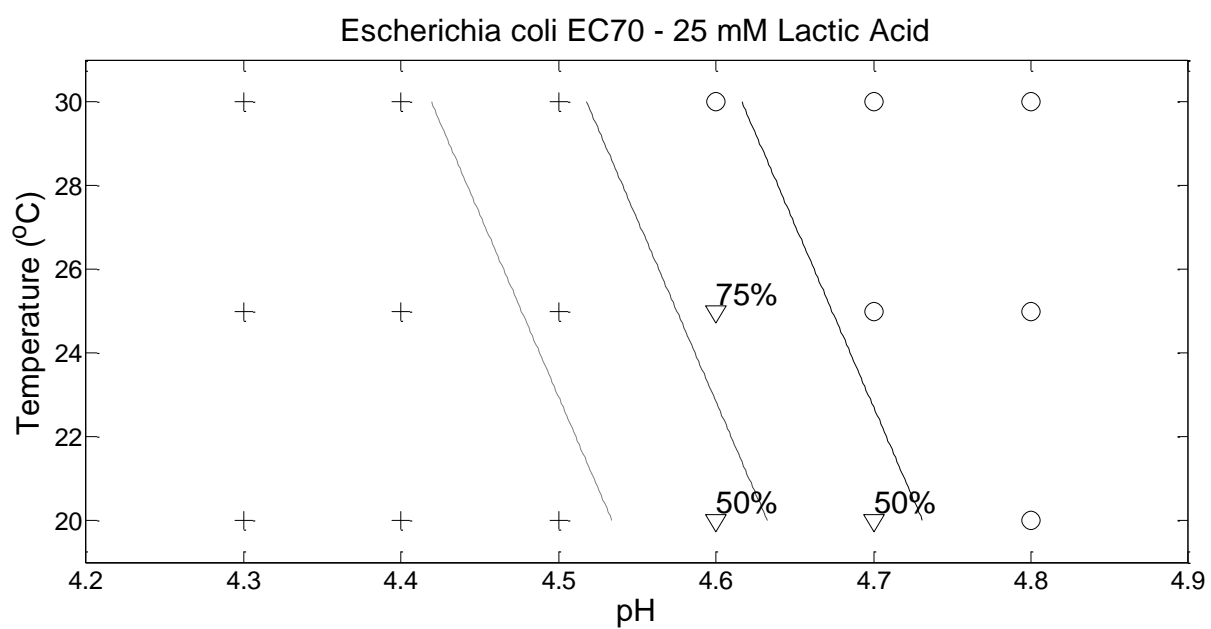
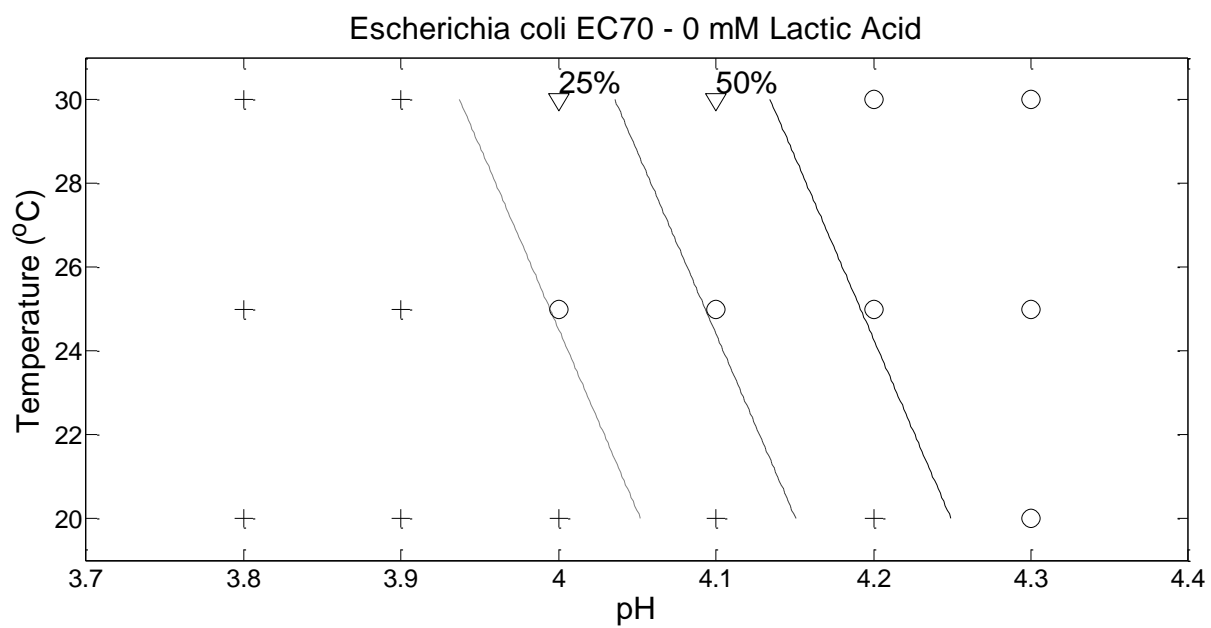
#### 46. *E.coli* EC70 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-97.59	16.46	-5.93	0.00	-135.27	-69.80	0.00	0.00	0.00
pH	22.28	3.76	5.93	0.00	15.93	30.87	4.74E+09	8.26E+06	2.54E+13
LA	-0.43	0.08	-5.58	0.00	-0.60	-0.30	0.65	0.55	0.74
Temp	0.26	0.08	3.04	0.00	0.10	0.44	1.29	1.11	1.55

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	211.21	
pH	1	42.91	154	168.30	0.00
LA	1	85.31	153	82.99	0.00
Temp	1	11.44	152	71.54	0.00

<b>AIC</b>	79.54
<b>Likelihood Ratio</b>	4.46E-30
<b>Log-Likelihood</b>	-35.77



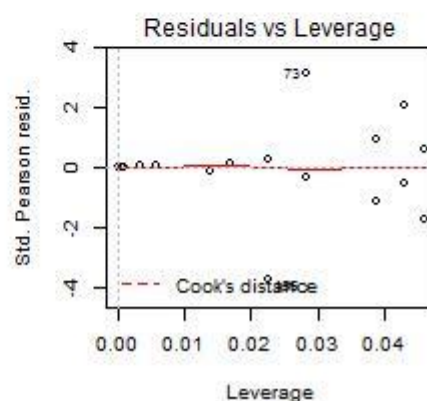
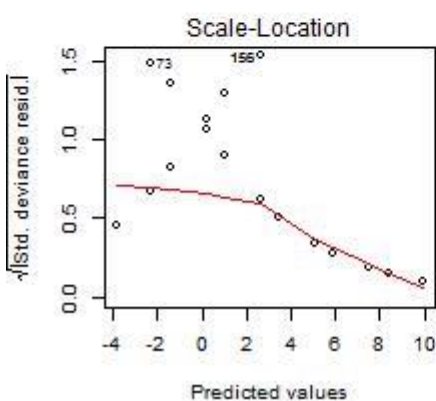
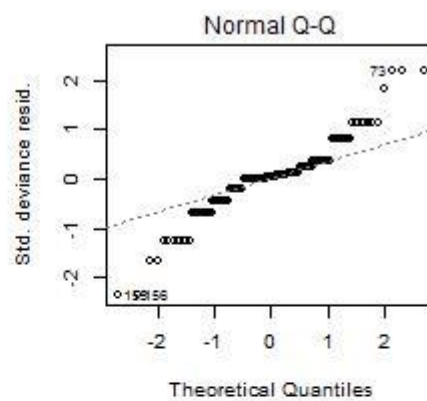
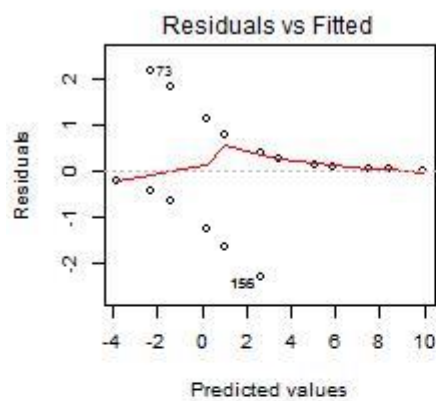


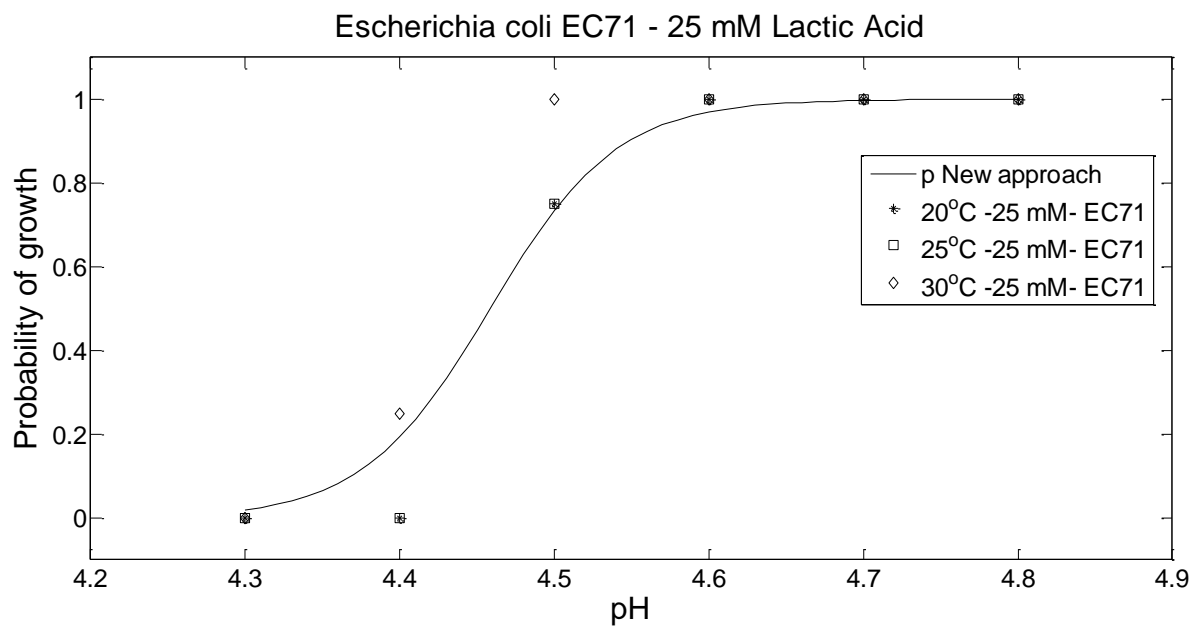
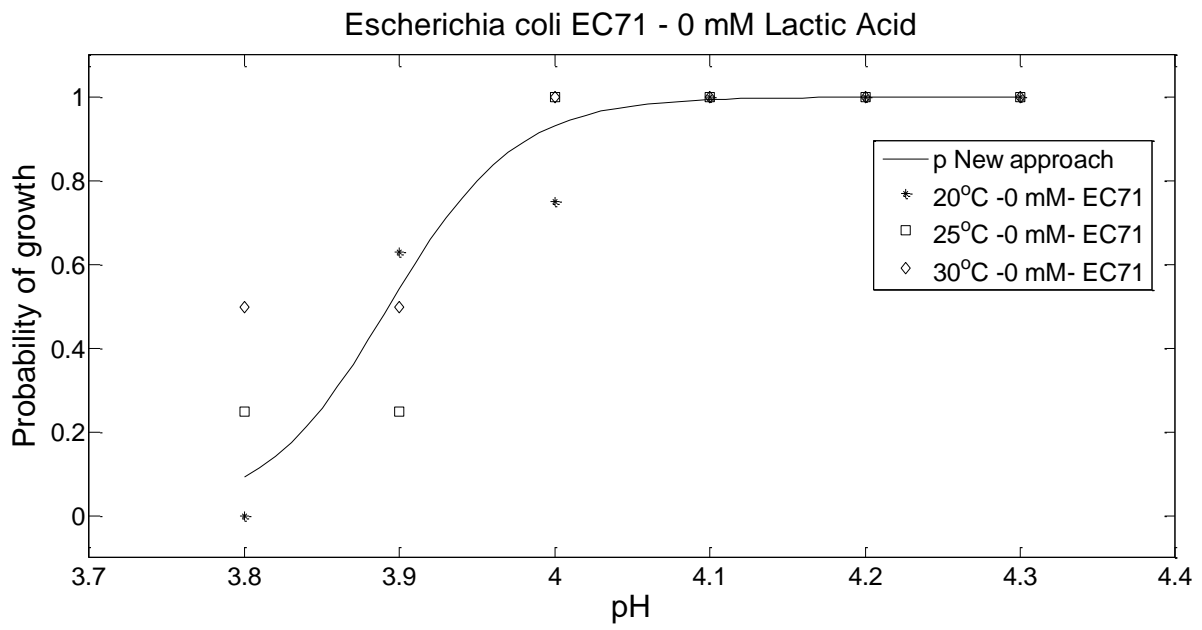
#### 47. *E.coli* EC71 - isolated from sewerage system

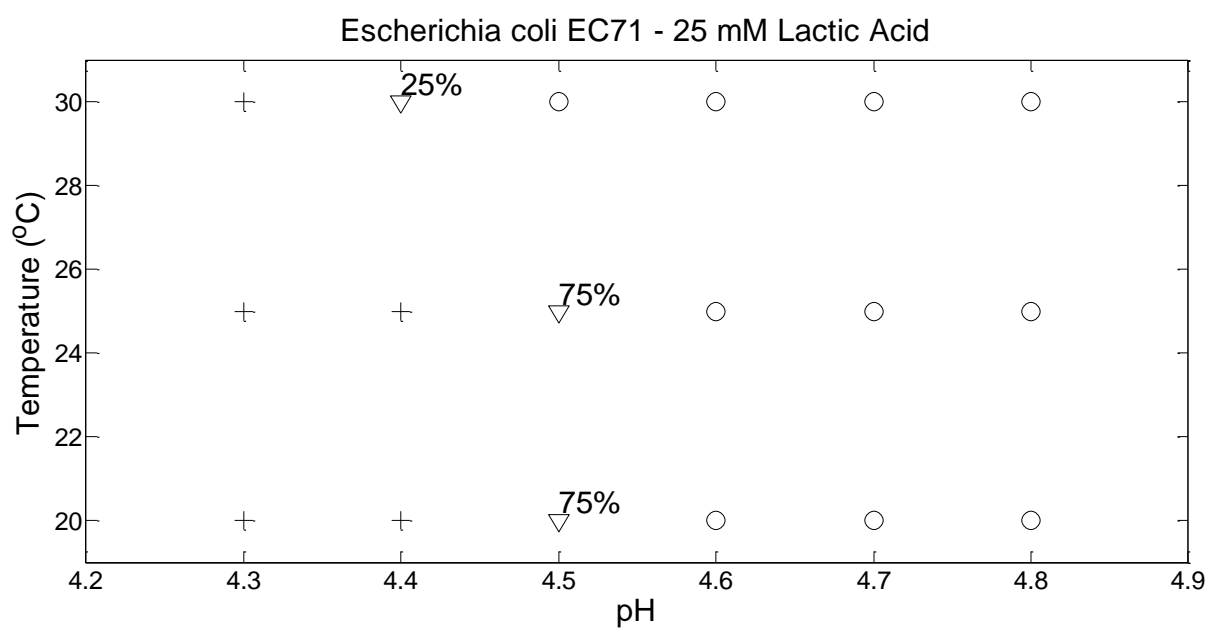
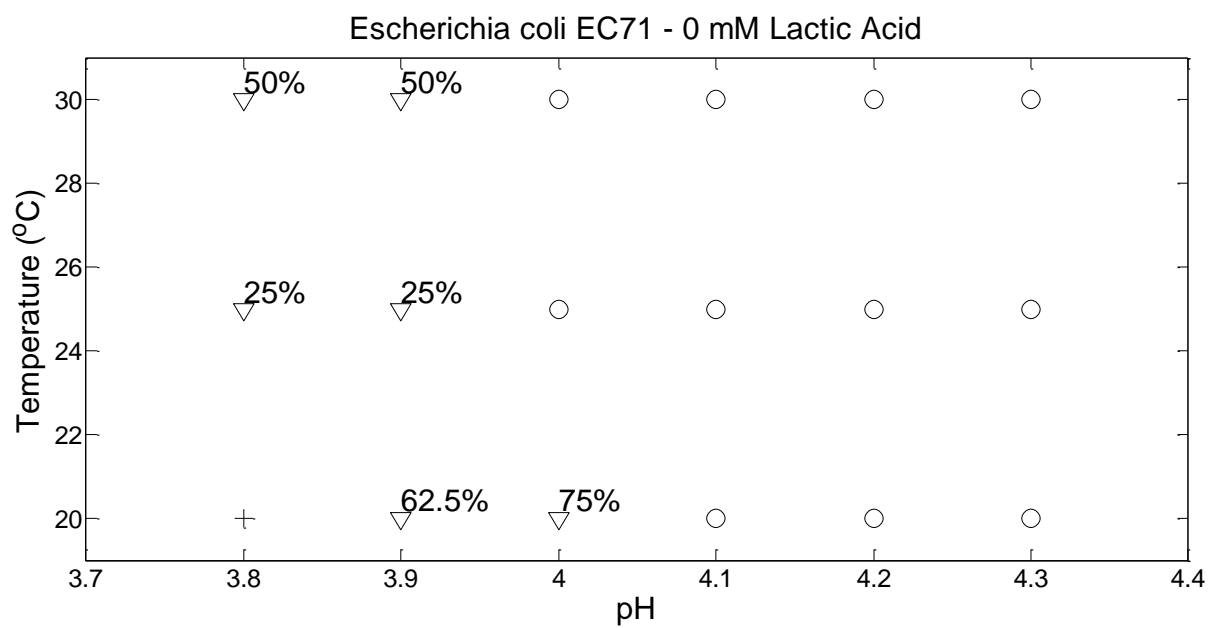
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-95.28	16.94	-5.62	0.00	-133.88	-66.52	0.00	0.00	0.00
pH	24.47	4.35	5.63	0.00	17.10	34.38	4.26E+10	2.68E+07	8.51E+14
LA	-0.55	0.10	-5.49	0.00	-0.78	-0.38	0.58	0.46	0.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	192.58	
pH	1	17.67	154	174.91	0.00
LA	1	102.15	153	72.76	0.00

<b>AIC</b>	78.76
<b>Likelihood Ratio</b>	9.59E-27
<b>Log-Likelihood</b>	-36.38







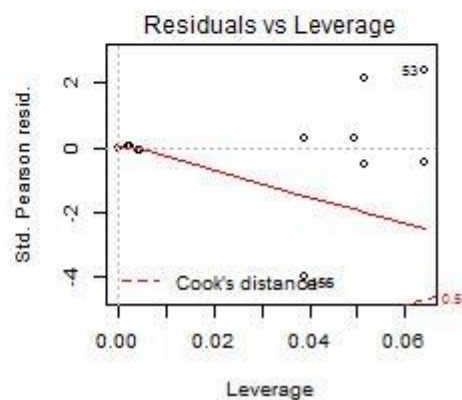
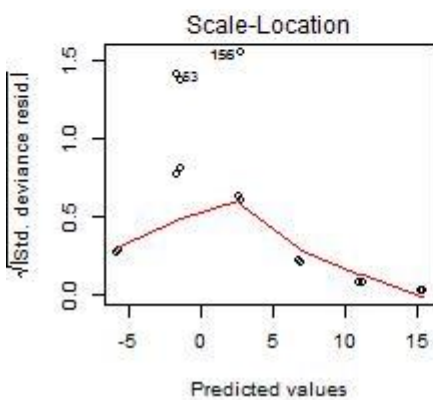
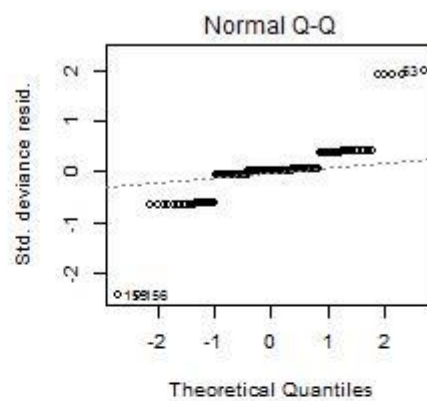
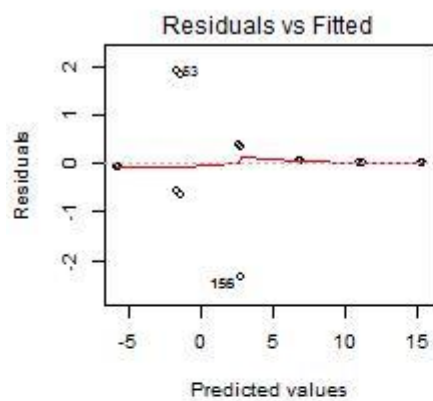


#### 48. *E.coli* EC72 - isolated from sewerage system

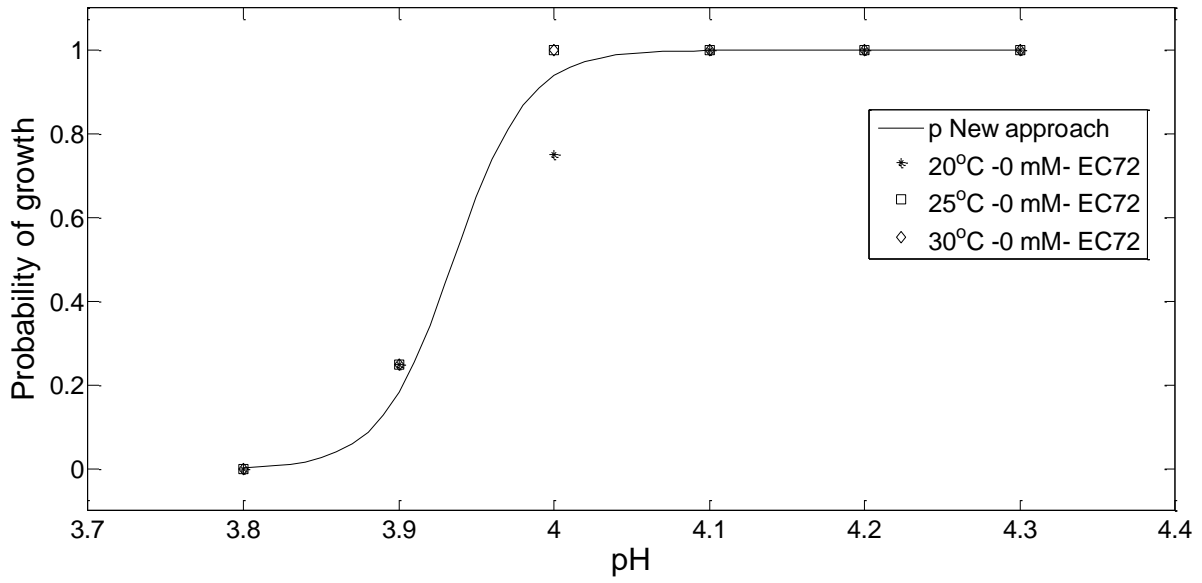
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-166.19	32.94	-5.05	0.00	-244.34	-111.60	0.00	0.00	0.00
pH	42.23	8.39	5.03	0.00	28.35	62.18	2.19E+18	2.04E+12	1.01E+27
LA	-0.85	0.17	-4.92	0.00	-1.27	-0.57	0.43	0.28	0.57

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	199.95	
pH	1	37.36	154	162.59	0.00
LA	1	121.72	153	40.87	0.00

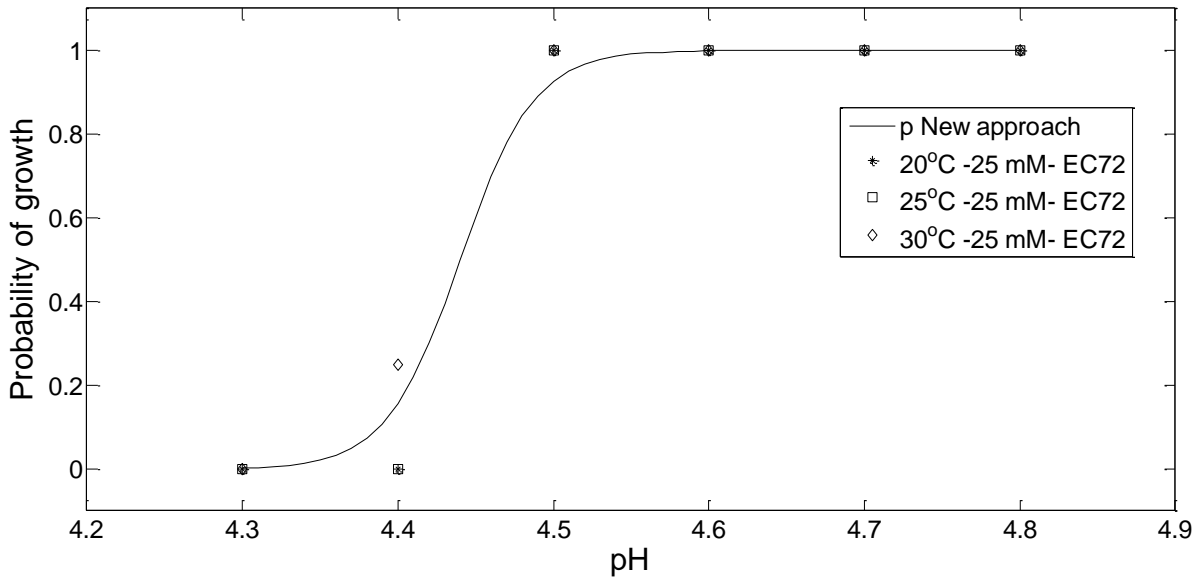
<b>AIC</b>	46.87
<b>Likelihood Ratio</b>	2.86E-35
<b>Log-Likelihood</b>	-20.44



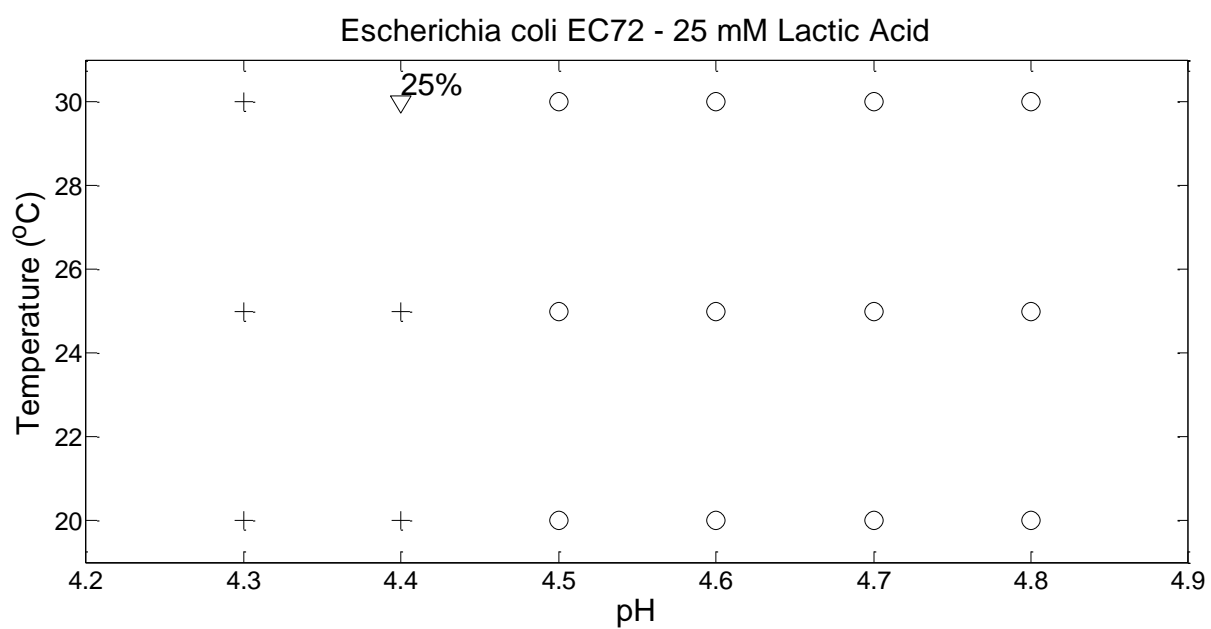
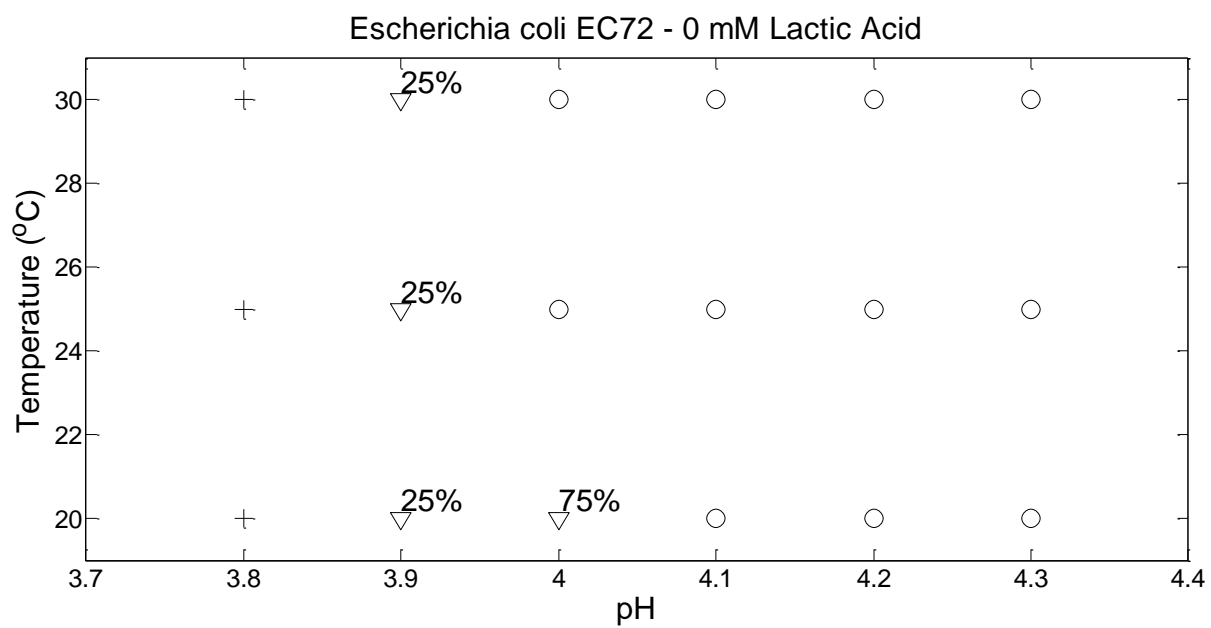
Escherichia coli EC72 - 0 mM Lactic Acid



Escherichia coli EC72 - 25 mM Lactic Acid







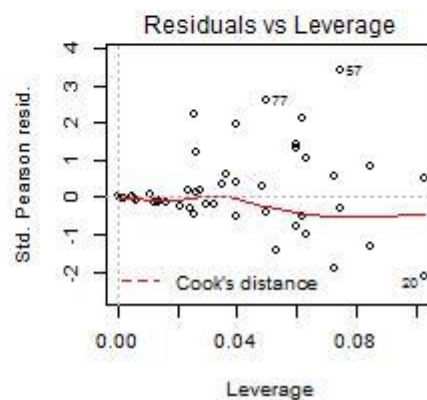
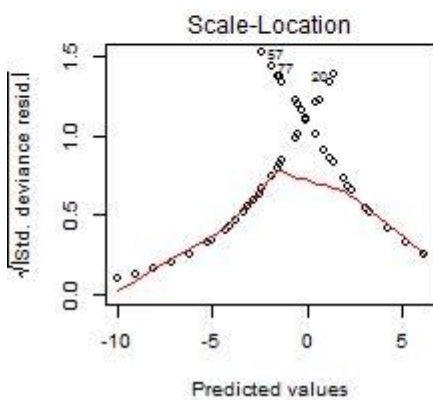
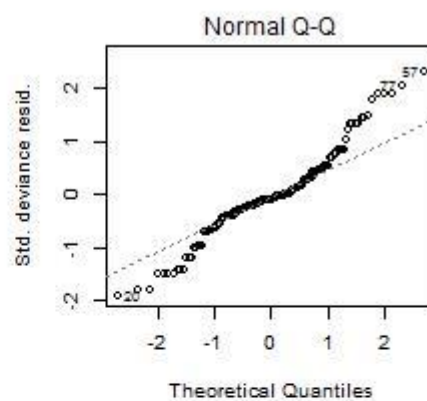
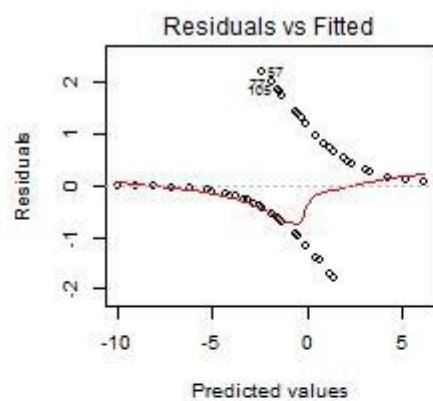


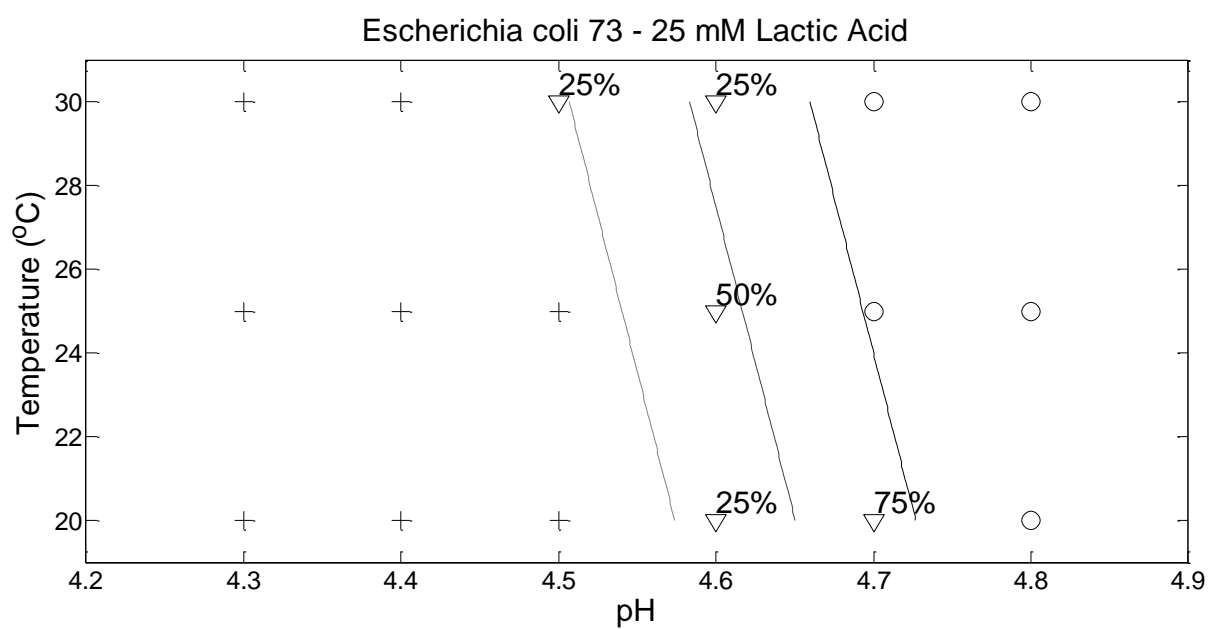
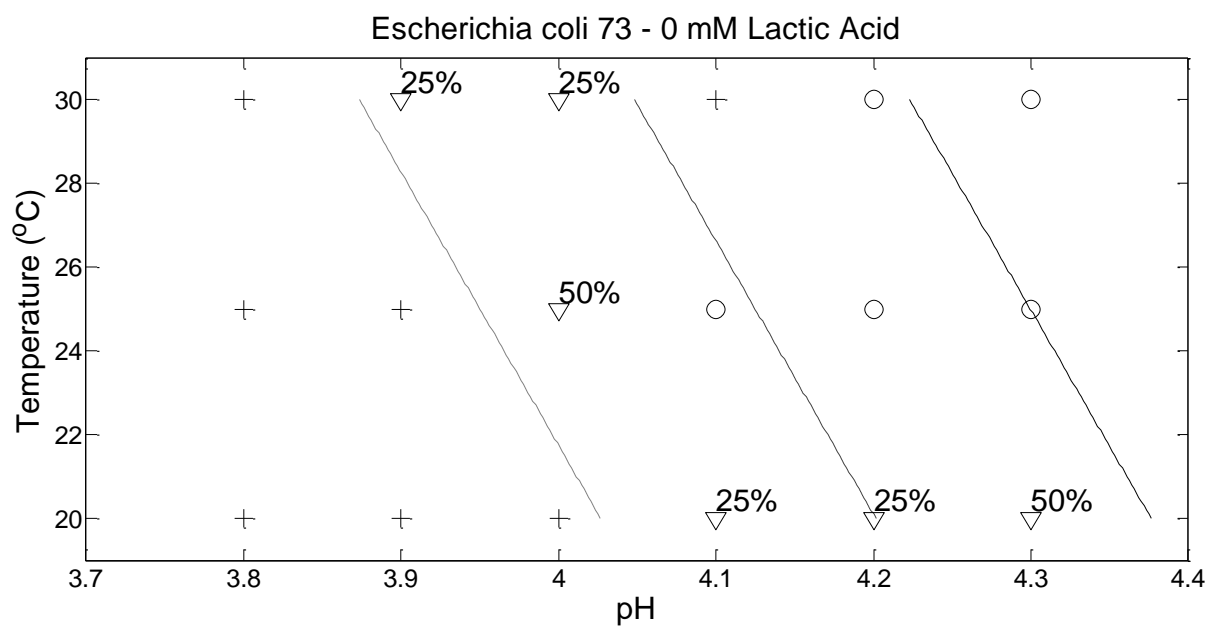
#### 49. *E.coli* EC73 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-56.68	11.54	-4.91	0.00	-82.51	-36.67	0.00	0.00	0.00
pH	12.57	2.67	4.71	0.00	7.92	18.54	2.88E+05	2.76E+03	1.13E+08
LA	-3.23	1.41	-2.28	0.02	-6.72	-0.92	0.04	0.00	0.40
Temp	0.19	0.07	2.72	0.01	0.06	0.34	1.21	1.06	1.41
pH:LA	0.65	0.31	2.09	0.04	0.14	1.41	1.91	1.14	4.08

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	203.68	
pH	1	32.84	154	170.84	0.00
LA	1	70.74	153	100.10	0.00
Temp	1	7.35	152	92.75	0.01
pH:LA	1	6.64	151	86.11	0.01

<b>AIC</b>	96.11
<b>Likelihood Ratio</b>	1.76E-24
<b>Log-Likelihood</b>	-43.06



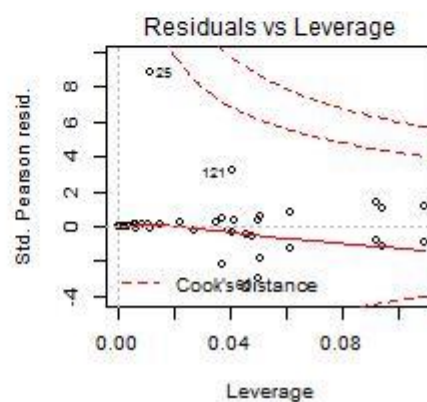
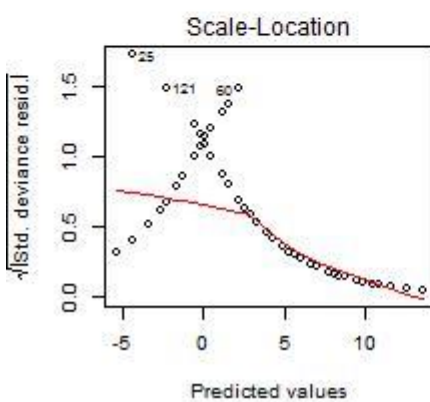
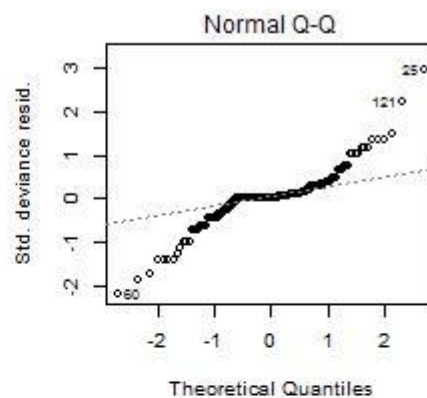
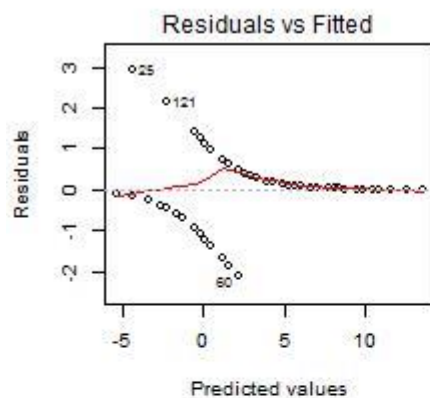


# 50. *E.coli* EC74 - isolated from sewerage system

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-111.00	21.53	-5.16	0.00	-161.01	-75.07	0.00	0.00	0.00
pH	27.54	5.33	5.17	0.00	18.64	39.87	9.13E+11	1.24E+08	2.08E+17
LA	-0.68	0.13	-5.14	0.00	-0.98	-0.46	0.51	0.38	0.63
Temp	0.20	0.09	2.38	0.02	0.05	0.39	1.23	1.05	1.47

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	181.74	
pH	1	8.75	154	172.99	0.00
LA	1	103.08	153	69.91	0.00
Temp	1	6.56	152	63.35	0.01

<b>AIC</b>	71.35
<b>Likelihood Ratio</b>	1.72E-25
<b>Log-Likelihood</b>	-31.67





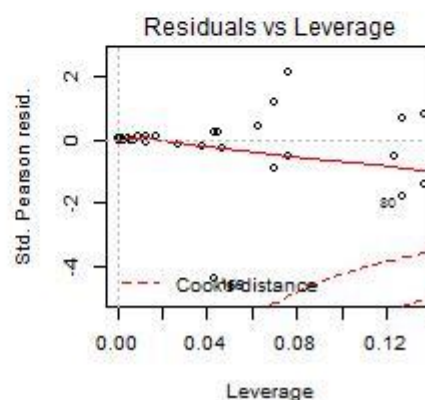
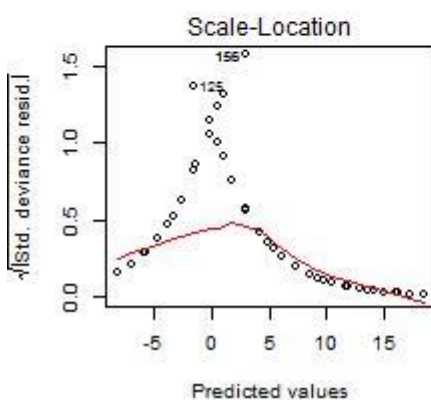
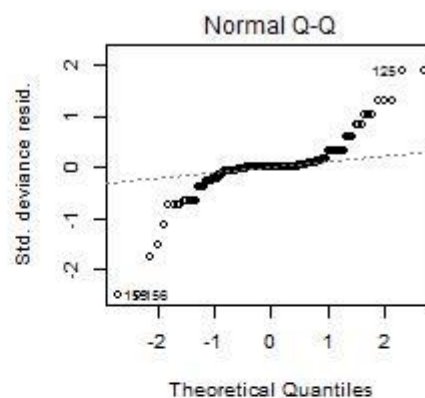
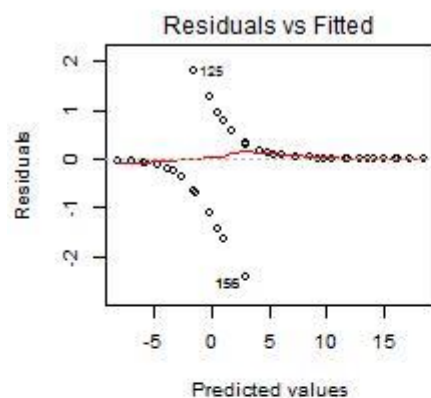
# 51. *E.coli* ECOR 1

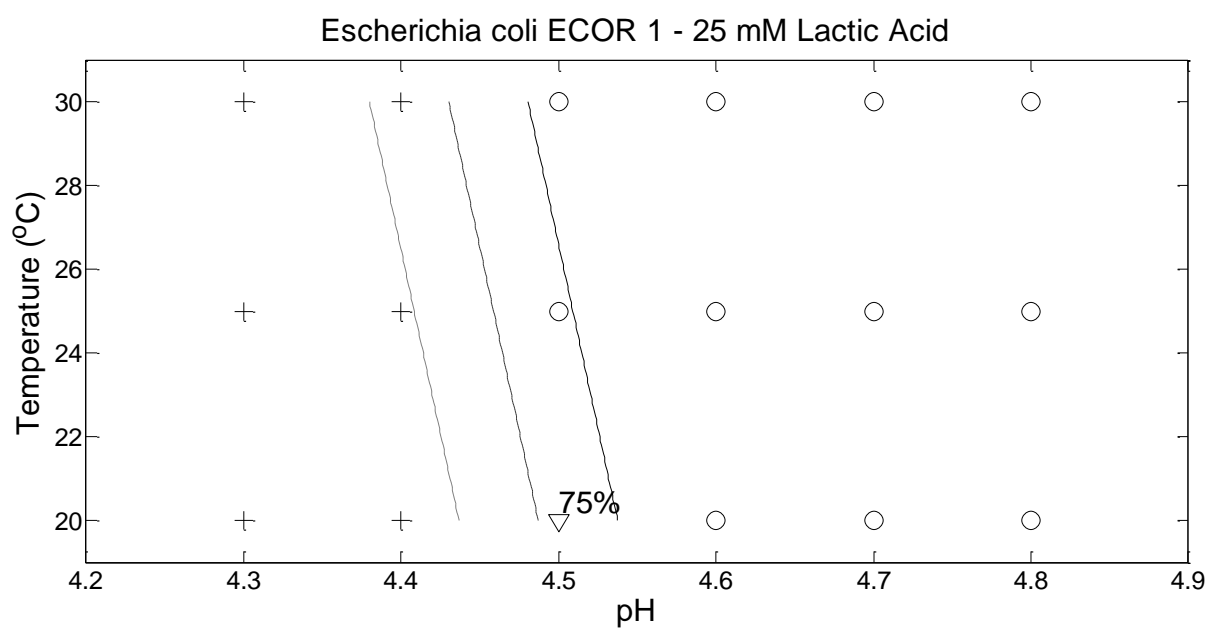
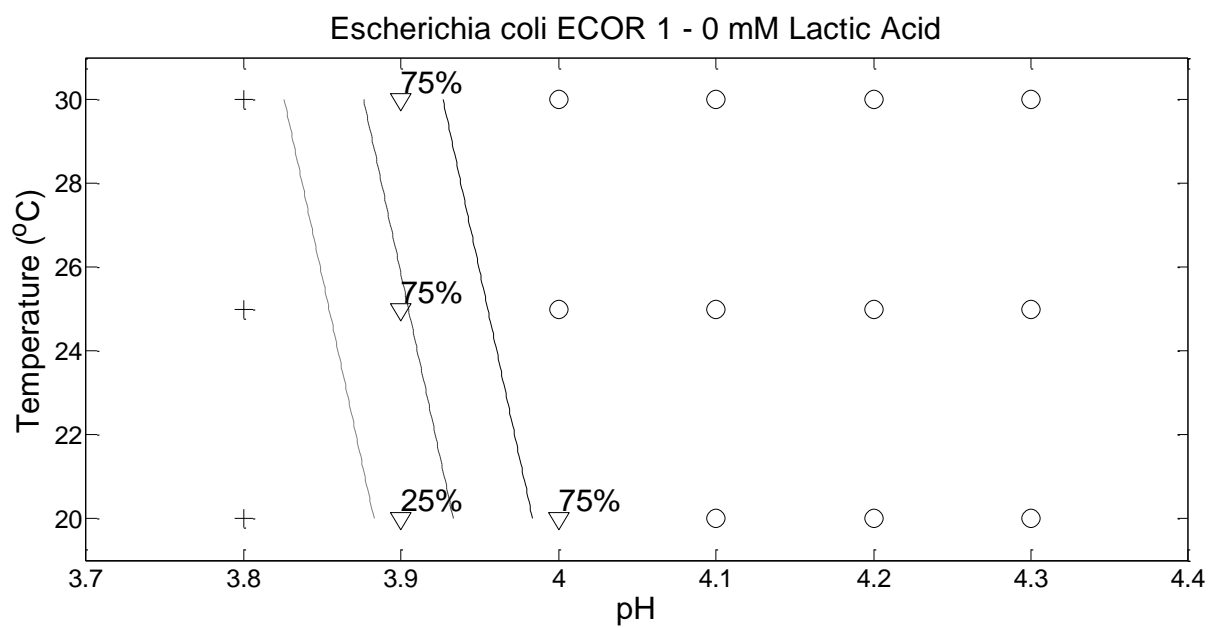
**O** H **Host** **Locale** **Notes**  
N N human USA (Iowa) Group A strain from a healthy person

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-176.49	38.34	-4.60	0.00	-268.61	-114.93	0.00	0.00	0.00
pH	43.61	9.49	4.60	0.00	28.40	66.48	8.72E+18	2.17E+12	7.41E+28
LA	-0.97	0.21	-4.51	0.00	-1.49	-0.62	0.38	0.23	0.54
Temp	0.25	0.11	2.29	0.02	0.05	0.49	1.28	1.05	1.63

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	25.32	154	171.86	0.00
LA	1	123.60	153	48.25	0.00
Temp	1	6.38	152	41.87	0.01

<b>AIC</b>	49.87
<b>Likelihood Ratio</b>	1.89E-33
<b>Log-Likelihood</b>	-20.93





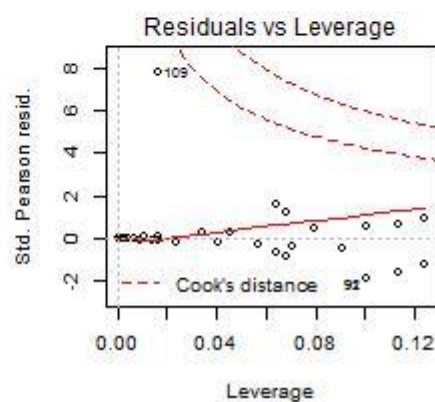
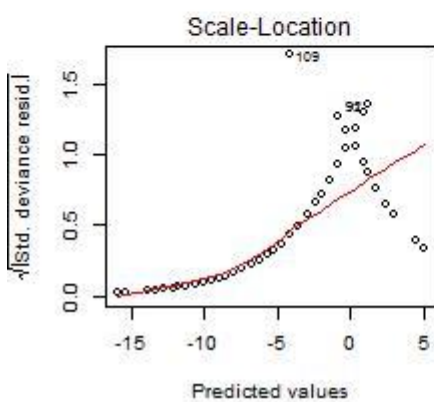
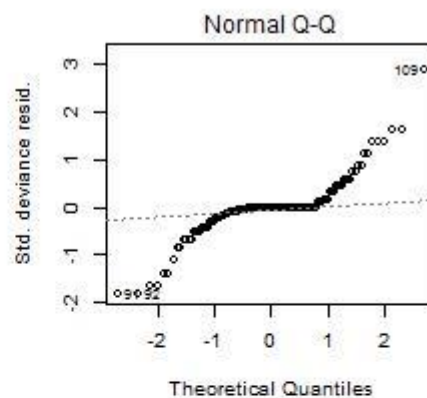
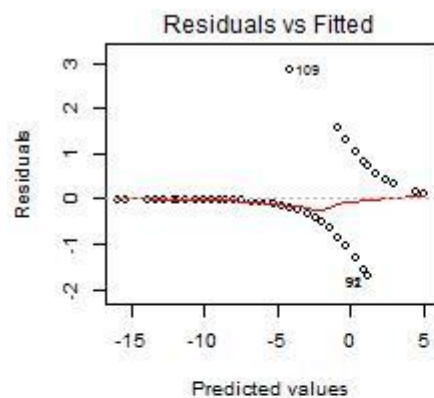


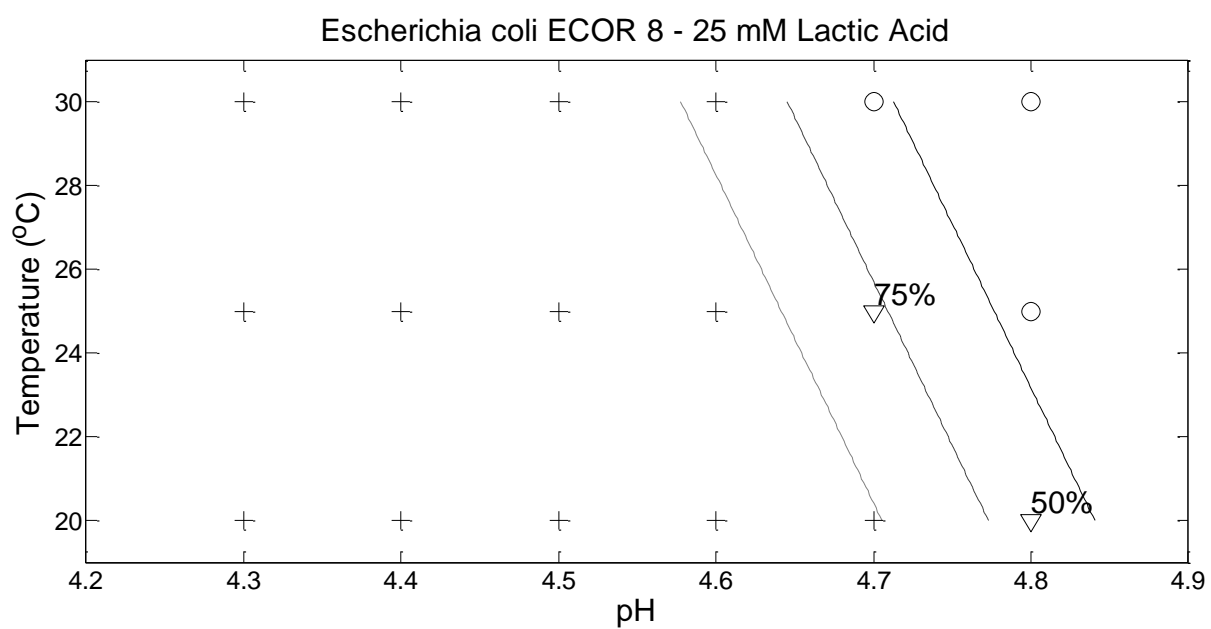
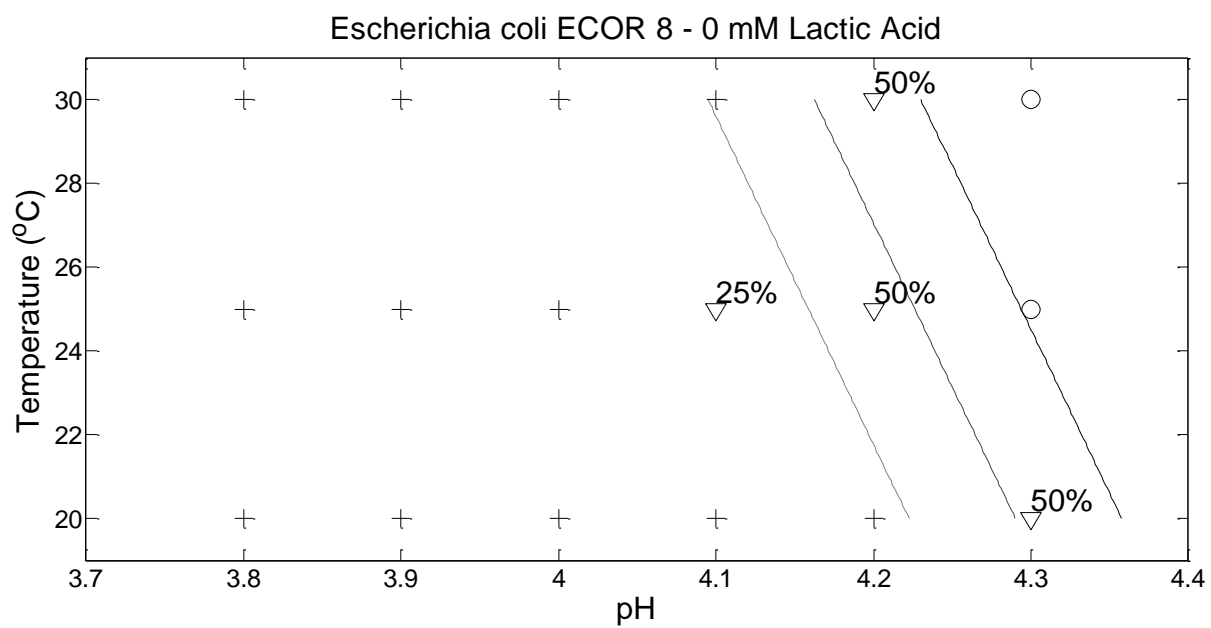
**52. *E.coli* ECOR 8**      **O H Host**      **Locale**      **Notes**  
86 NM human      USA      Group A strain from a healthy person

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-147.83	32.62	-4.53	0.00	-225.24	-94.93	0.00	0.00	0.00
pH	32.52	7.19	4.53	0.00	20.82	49.50	1.33E+14	1.10E+09	3.16E+21
LA	-0.63	0.14	-4.41	0.00	-0.96	-0.39	0.53	0.38	0.67
Temp	0.42	0.13	3.26	0.00	0.20	0.71	1.52	1.22	2.04

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	158.32	
pH	1	29.49	154	128.83	0.00
LA	1	64.99	153	63.84	0.00
Temp	1	17.45	152	46.38	0.00

<b>AIC</b>	54.38
<b>Likelihood Ratio</b>	4.21E-24
<b>Log-Likelihood</b>	-23.19



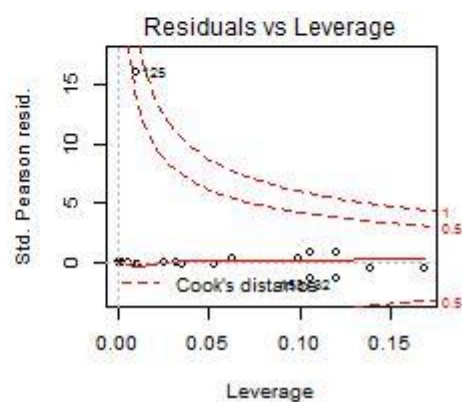
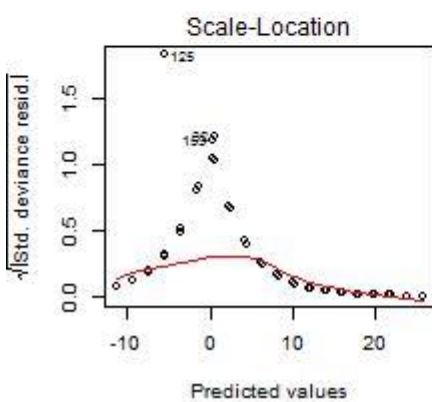
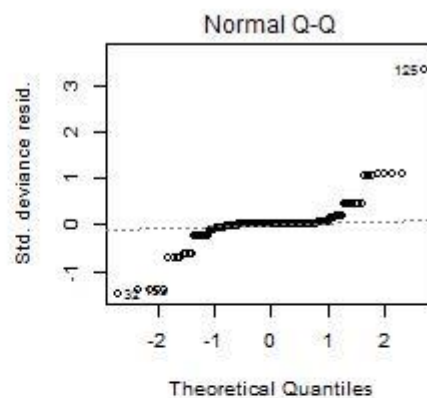
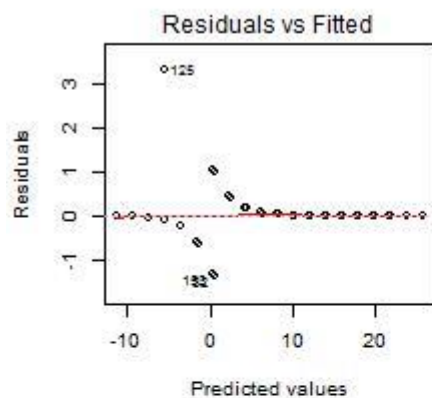


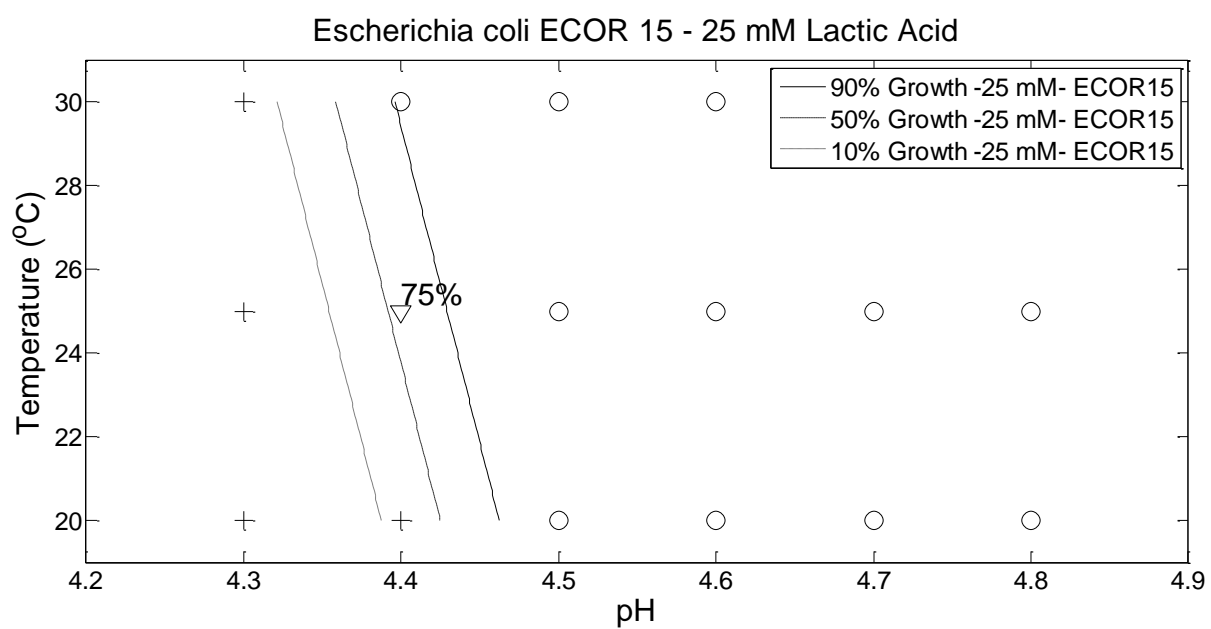
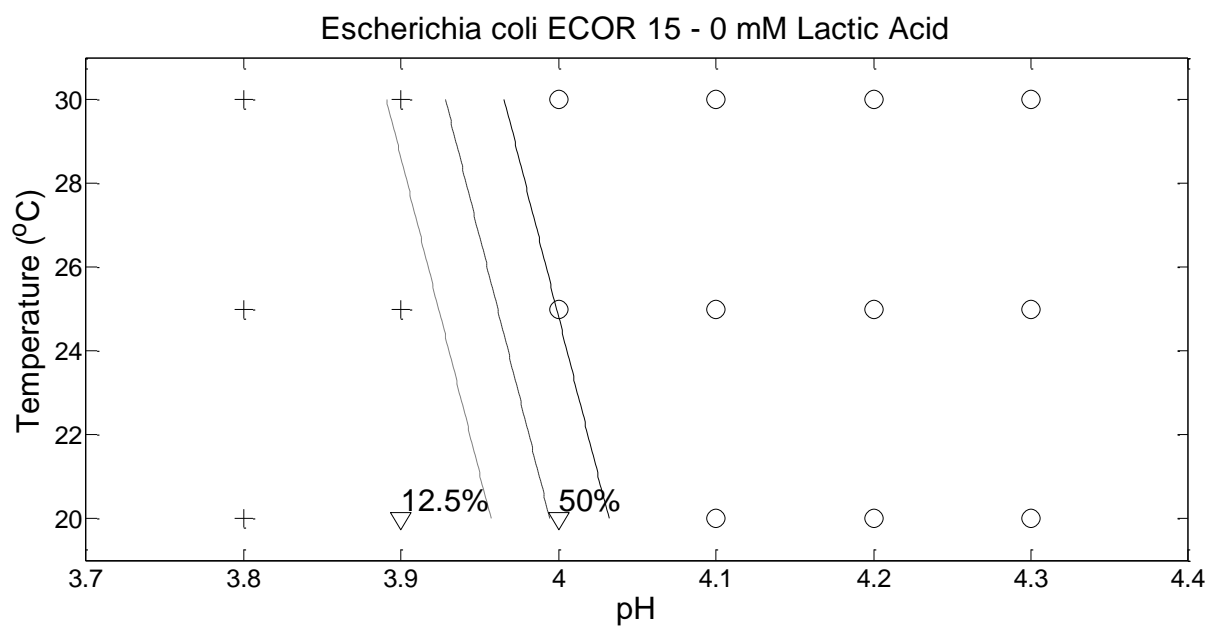
**53. *E.coli* ECOR 15**      **O** 25   **H** NM   **Host** human   **Locale** USA   **Notes** Group A strain from a healthy person

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-242.11	64.86	-3.73	0.00	-408.49	-144.37	0.00	0.00	0.00
pH	58.67	15.69	3.74	0.00	35.00	98.89	3.01E+25	1.59E+15	8.87E+42
LA	-1.01	0.27	-3.71	0.00	-1.71	-0.60	0.36	0.18	0.55
Temp	0.39	0.16	2.49	0.01	0.13	0.77	1.48	1.14	2.16

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	198.59	
pH	1	60.83	154	137.76	0.00
LA	1	95.03	153	42.72	0.00
Temp	1	10.17	152	32.56	0.00

<b>AIC</b>	40.56
<b>Likelihood Ratio</b>	9.13E-36
<b>Log-Likelihood</b>	-16.28





# 54. *E.coli* ECOR 16

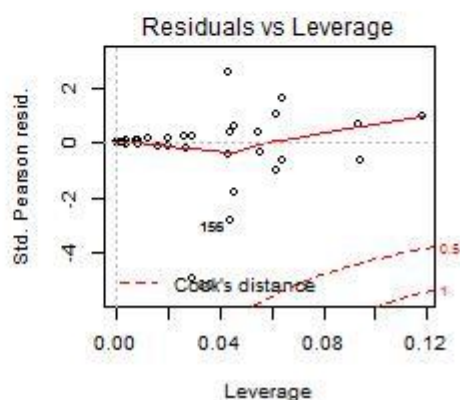
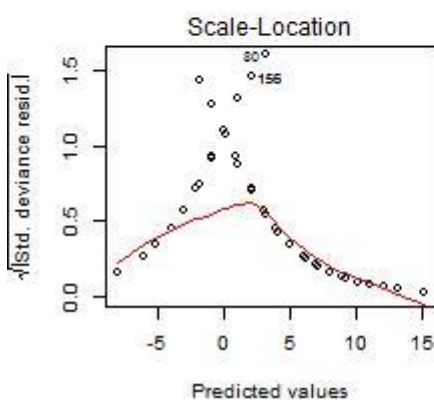
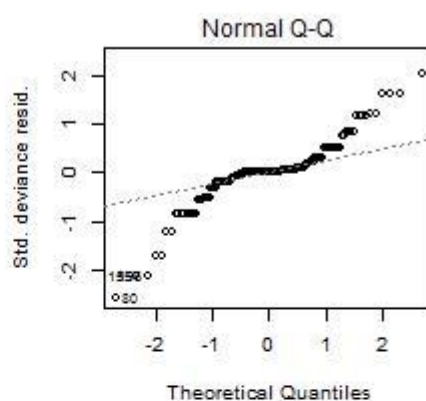
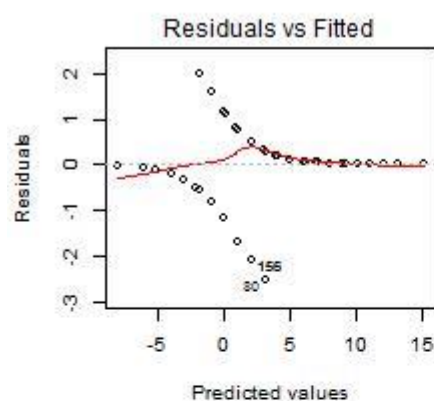
O H Host Locale  
N 10 leopard USA

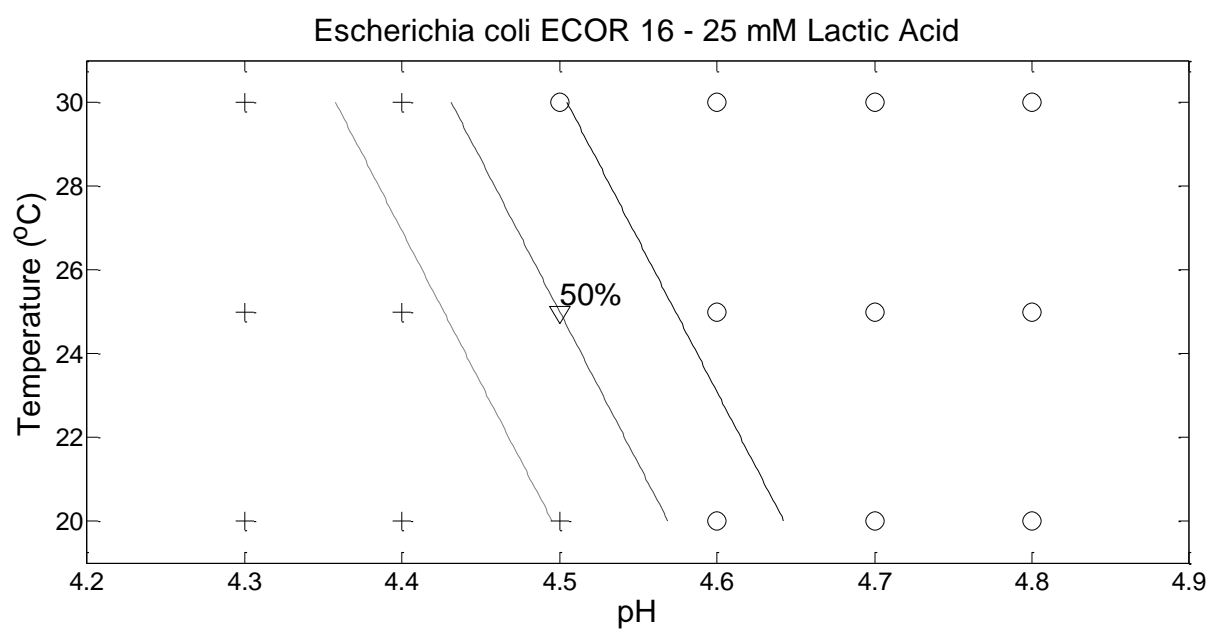
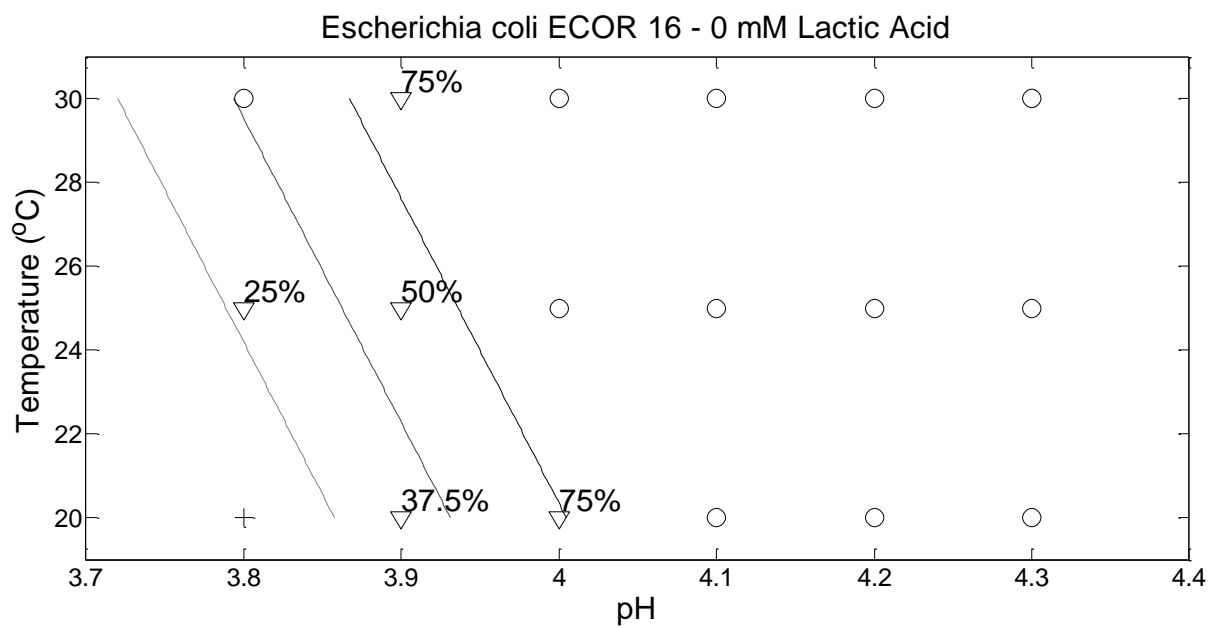
Notes  
Group A strain from a healthy leopard in captivity

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-125.63	24.48	-5.13	0.00	-182.47	-85.08	0.00	0.00	0.00
pH	29.87	5.83	5.12	0.00	20.20	43.40	9.36E+12	5.90E+08	7.06E+18
LA	-0.76	0.15	-5.08	0.00	-1.11	-0.51	0.47	0.33	0.60
Temp	0.41	0.11	3.74	0.00	0.22	0.66	1.51	1.24	1.93

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	8.82	154	188.36	0.00
LA	1	107.47	153	80.89	0.00
Temp	1	22.14	152	58.75	0.00

AIC	66.75
Likelihood Ratio	8.25E-30
Log-Likelihood	-29.37





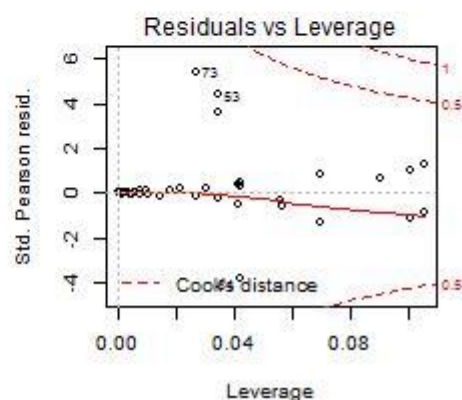
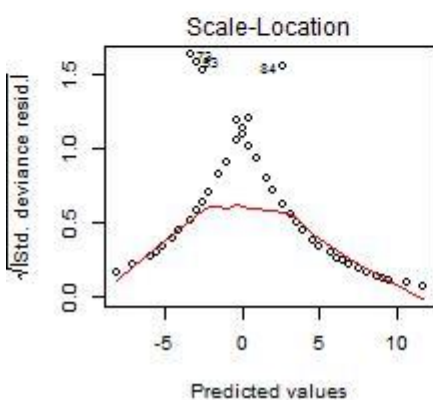
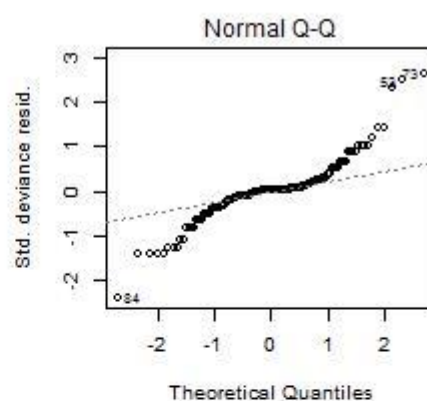
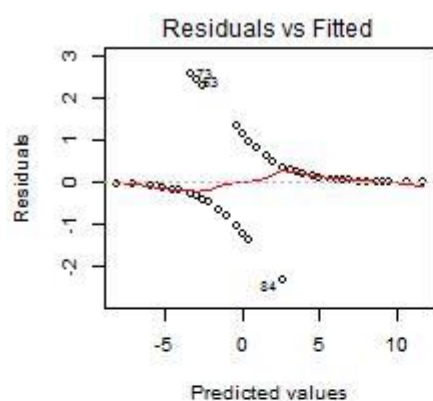
# 55. *E.coli* ECOR 21

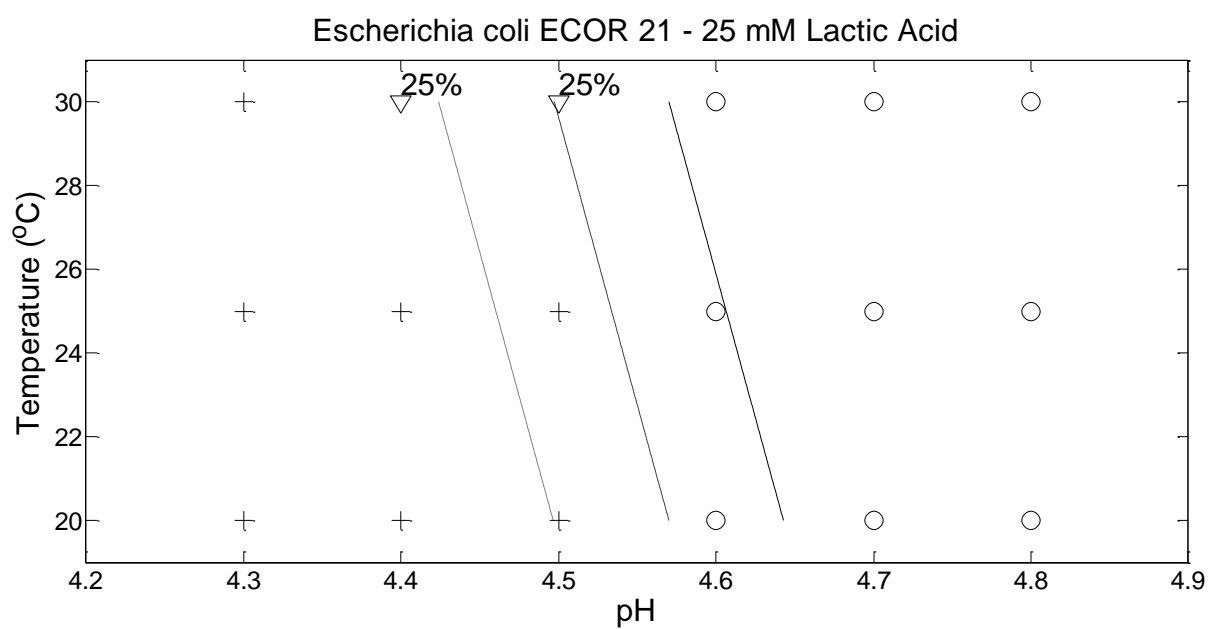
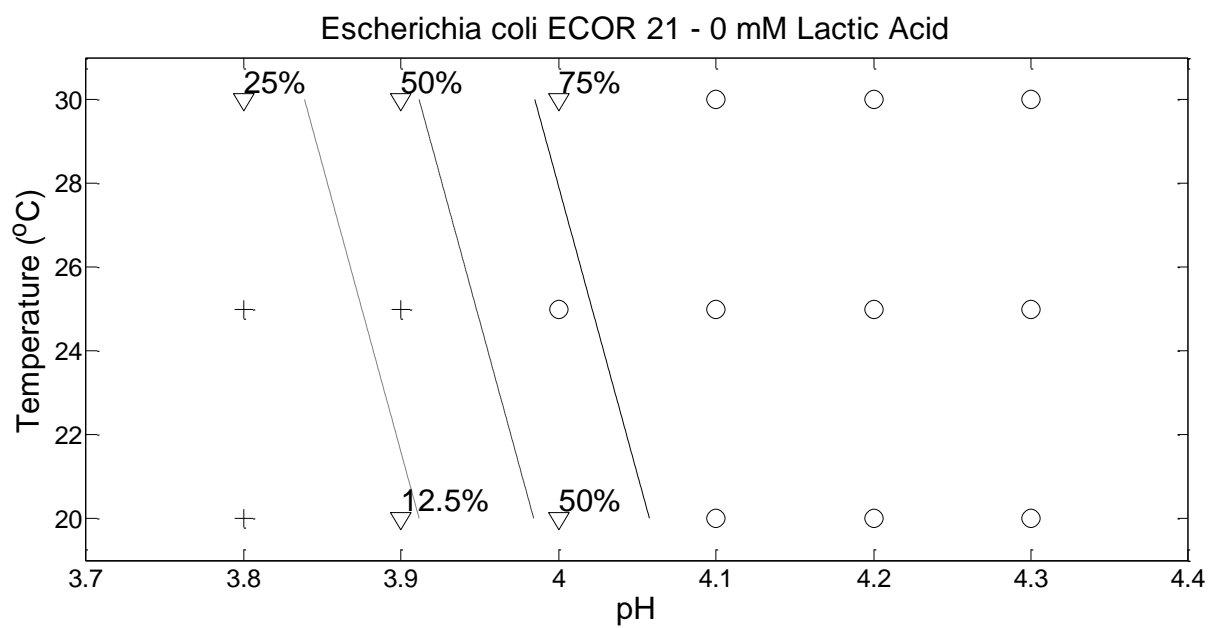
**O** 121   **H** N   **Host** steer   **Locale** Bali   **Notes** Group A strain from a healthy steer

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-124.17	23.57	-5.27	0.00	-179.77	-85.44	0.00	0.00	0.00
pH	30.06	5.69	5.28	0.00	20.70	43.44	1.14E+13	9.73E+08	7.36E+18
LA	-0.70	0.14	-5.16	0.00	-1.02	-0.48	0.49	0.36	0.62
Temp	0.22	0.09	2.45	0.01	0.05	0.41	1.24	1.06	1.51

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.15	
pH	1	22.29	154	190.86	0.00
LA	1	123.77	153	67.09	0.00
Temp	1	7.06	152	60.02	0.01

<b>AIC</b>	68.02
<b>Likelihood Ratio</b>	5.58E-33
<b>Log-Likelihood</b>	-30.01







# 56. *E.coli* ECOR 26

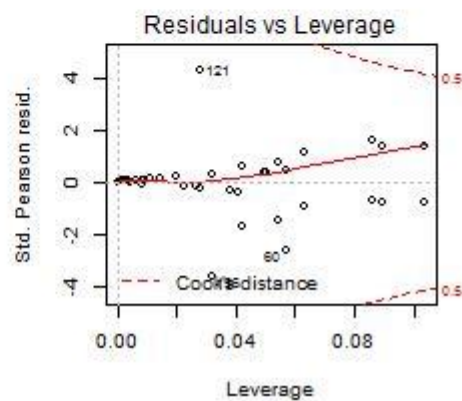
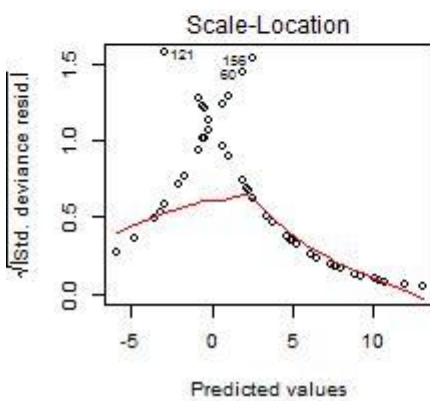
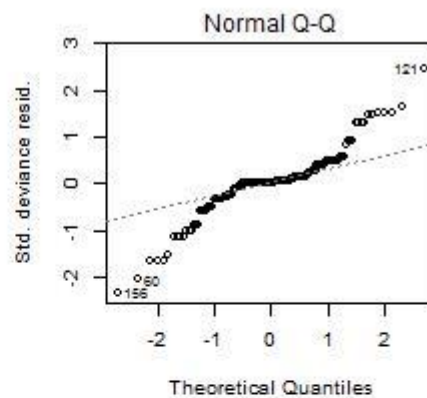
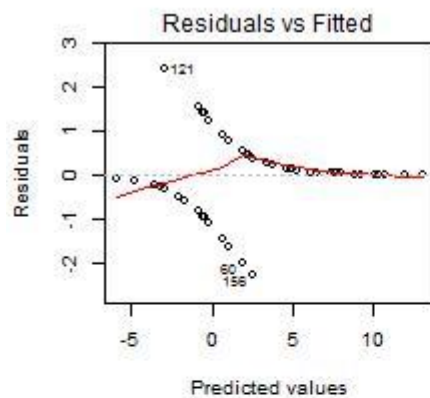
O H Host Locale  
104 21 human (infant) USA

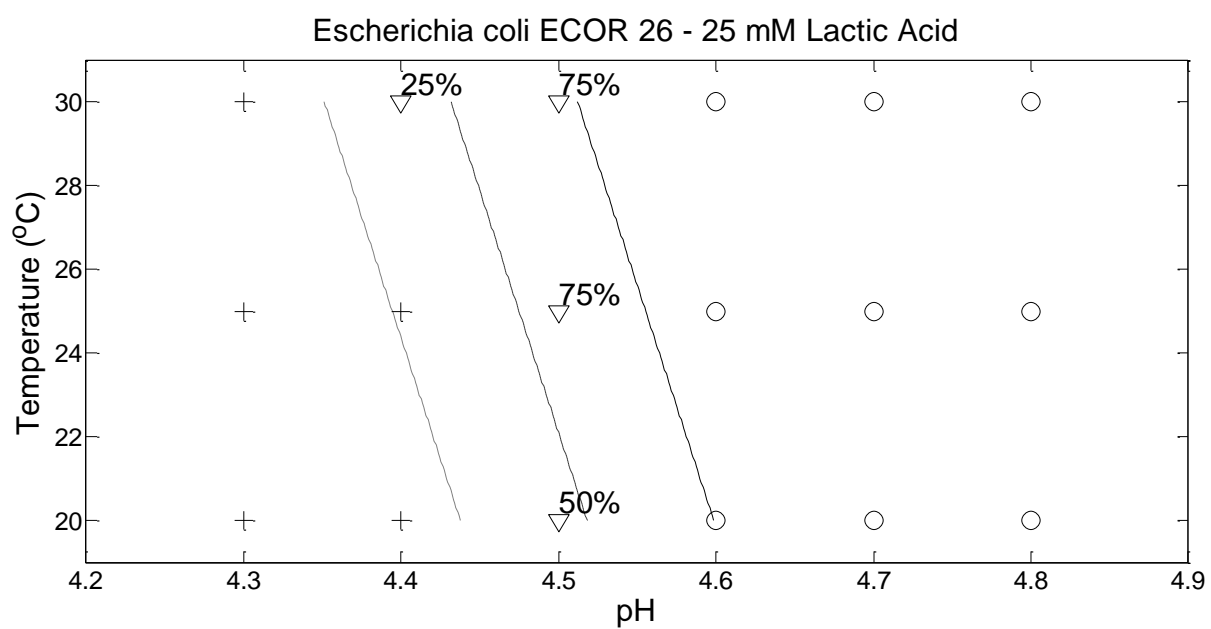
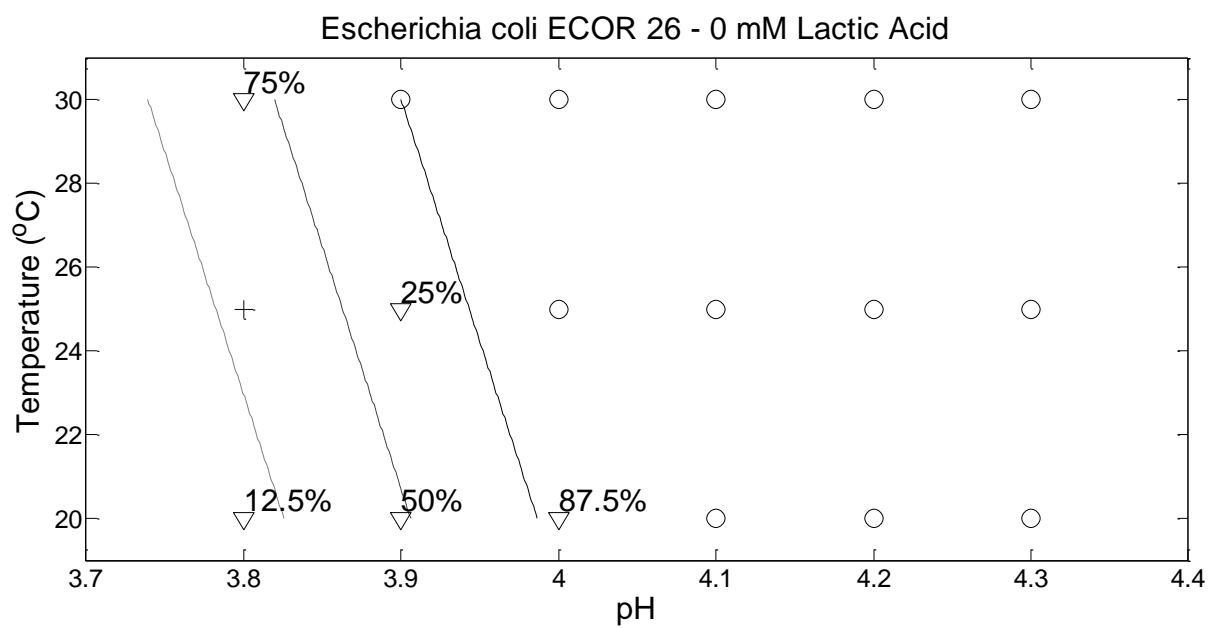
Notes  
Group B1 strain from a healthy infant

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-111.40	21.08	-5.29	0.00	-160.20	-76.17	0.00	0.00	0.00
pH	27.31	5.16	5.29	0.00	18.68	39.26	7.27E+11	1.29E+08	1.12E+17
LA	-0.67	0.13	-5.23	0.00	-0.96	-0.45	0.51	0.38	0.63
Temp	0.24	0.09	2.71	0.01	0.08	0.42	1.27	1.08	1.53

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	190.93	
pH	1	10.83	154	180.10	0.00
LA	1	106.53	153	73.57	0.00
Temp	1	8.85	152	64.72	0.00

AIC	72.72
Likelihood Ratio	3.55E-27
Log-Likelihood	-32.36



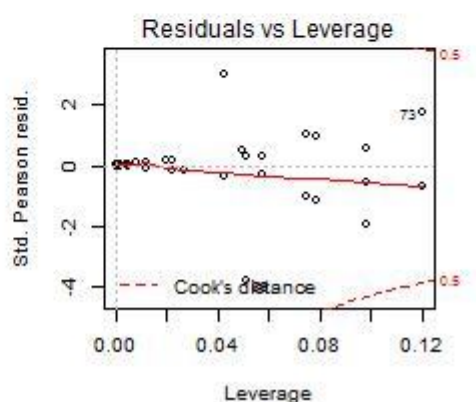
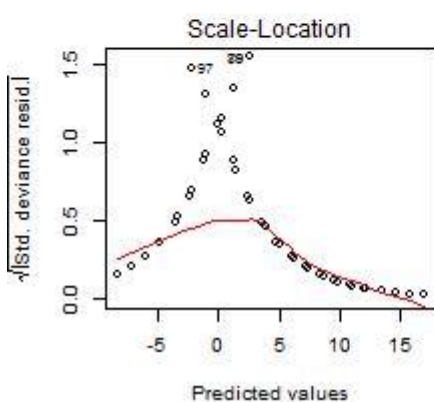
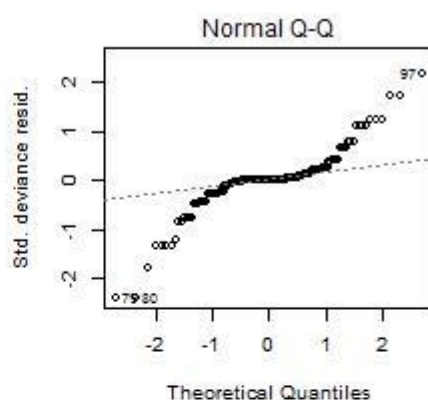
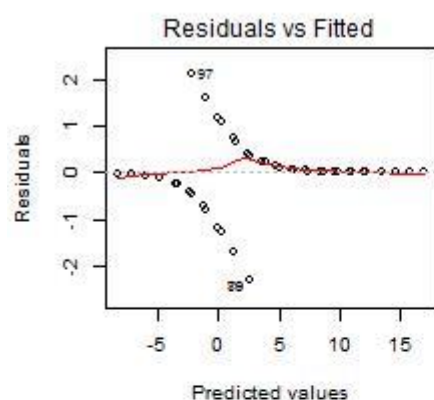


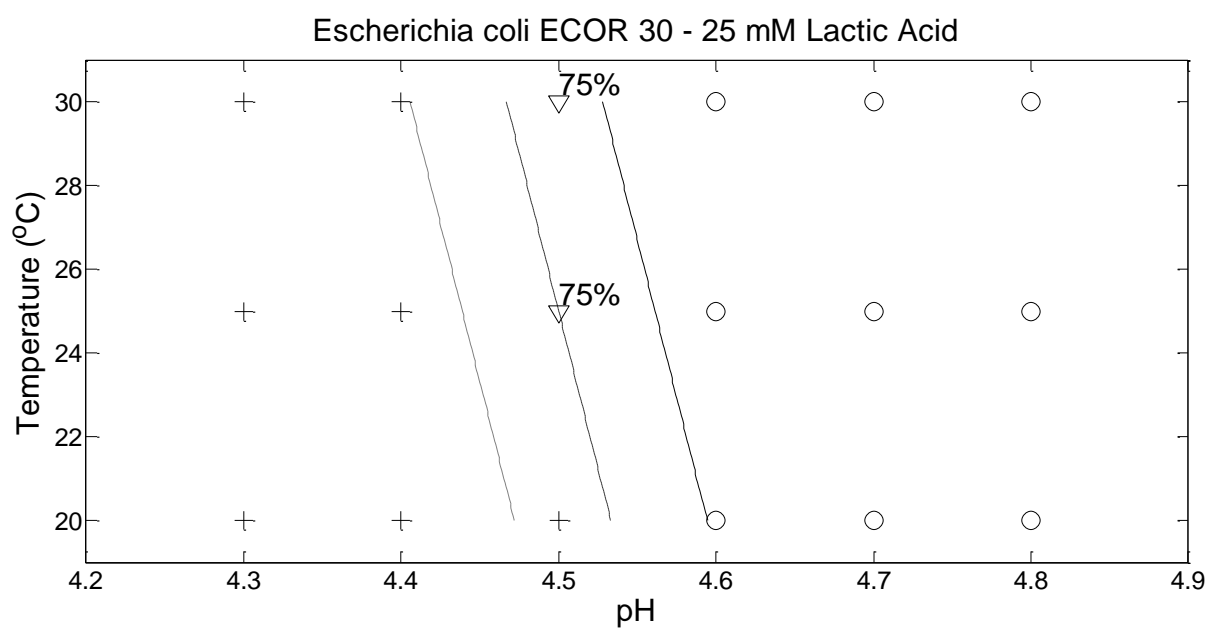
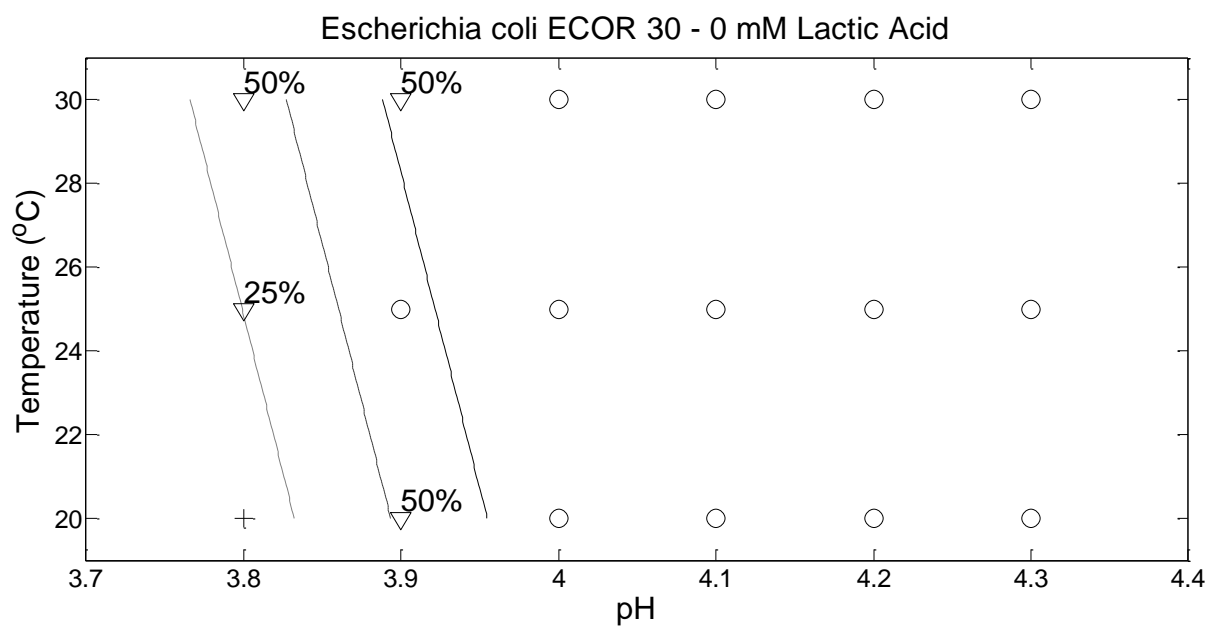
**57. *E.coli* ECOR 30**    **O** 113    **H** 21    **Host** bison    **Locale** Canada Group B1 strain from a healthy bison    **Notes**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-144.47	30.12	-4.80	0.00	-216.31	-95.59	0.00	0.00	0.00
pH	35.88	7.47	4.80	0.00	23.76	53.70	3.84E+15	2.08E+10	2.10E+23
LA	-0.92	0.19	-4.77	0.00	-1.38	-0.61	0.40	0.25	0.55
Temp	0.24	0.10	2.39	0.02	0.06	0.46	1.27	1.06	1.58

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	194.17	
pH	1	7.89	154	186.28	0.00
LA	1	128.58	153	57.70	0.00
Temp	1	6.94	152	50.77	0.01

<b>AIC</b>	58.77
<b>Likelihood Ratio</b>	6.98E-31
<b>Log-Likelihood</b>	-25.38

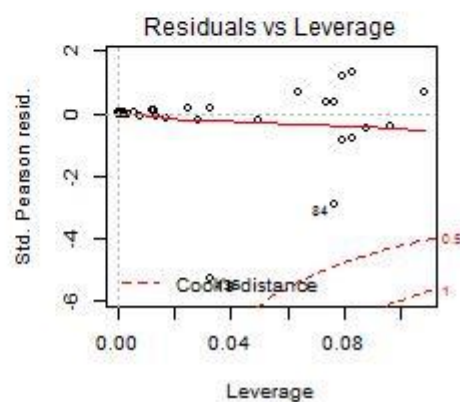
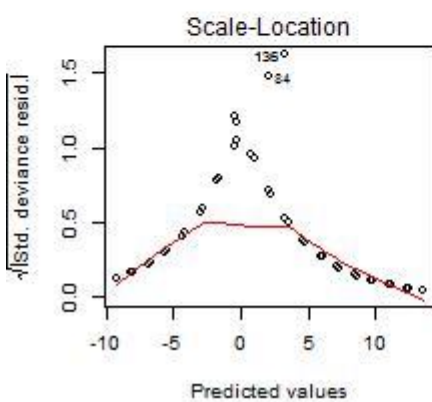
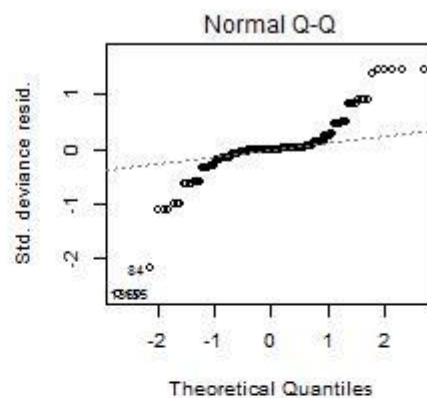
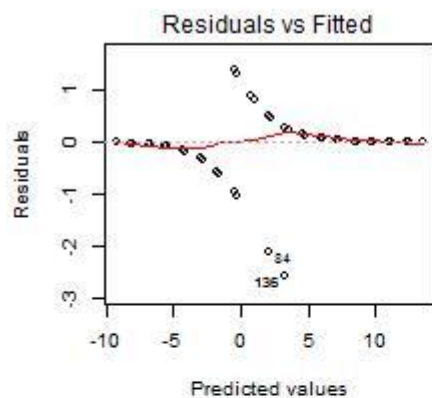


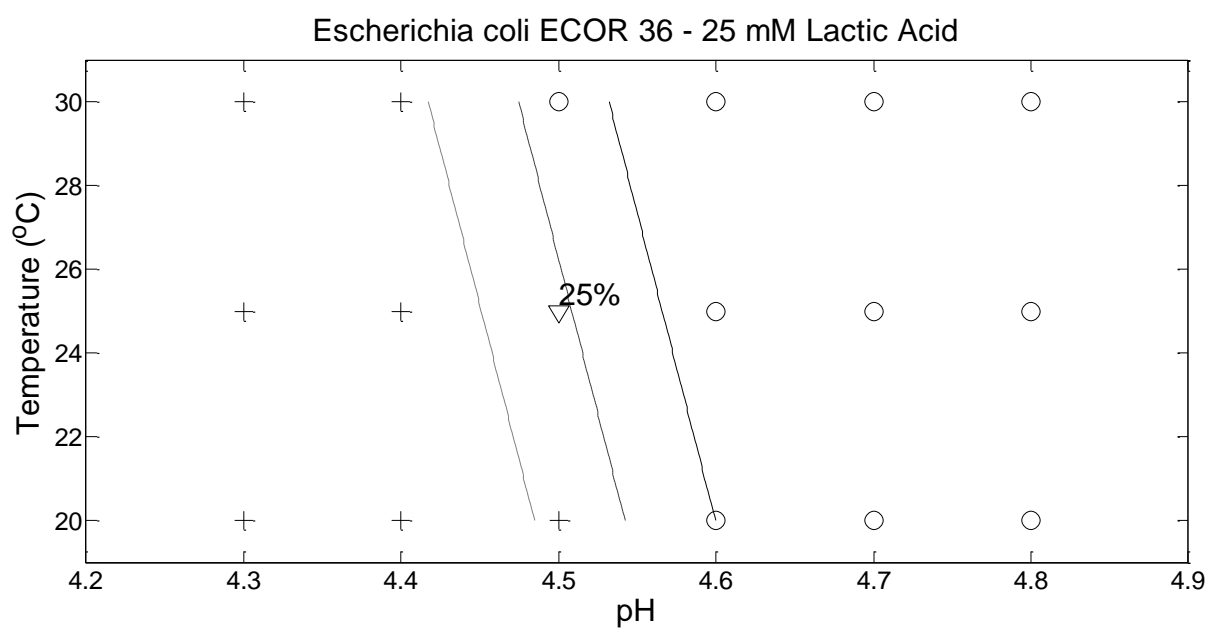
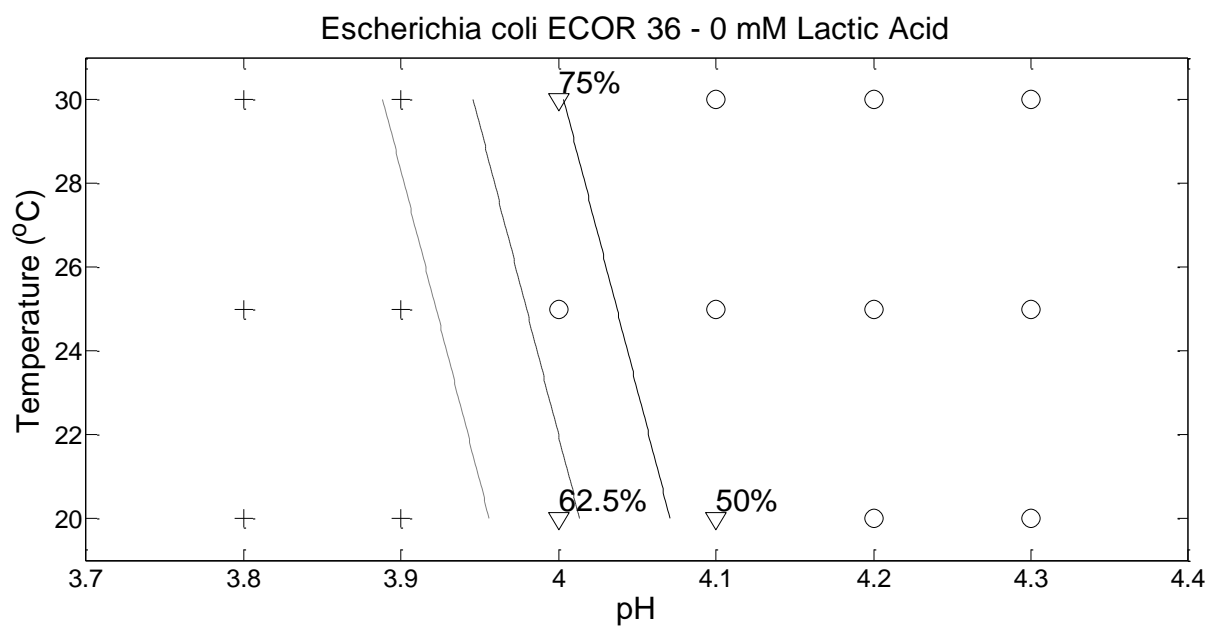


58. <i>E.coli</i> ECOR 36			O	H	Host	Locale	Notes		
			79	25	human	USA	Group D strain from a healthy person		
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-158.71	34.02	-4.67	0.00	-241.74	-104.64	0.00	0.00	0.00
pH	38.26	8.25	4.64	0.00	25.18	58.50	4.13E+16	8.60E+10	2.56E+25
LA	-0.81	0.18	-4.55	0.00	-1.24	-0.53	0.45	0.29	0.59
Temp	0.26	0.10	2.51	0.01	0.07	0.49	1.29	1.08	1.62

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	214.18	
pH	1	37.24	154	176.94	0.00
LA	1	121.96	153	54.97	0.00
Temp	1	7.87	152	47.11	0.01

AIC	55.11
Likelihood Ratio	5.45E-36
Log-Likelihood	-23.55



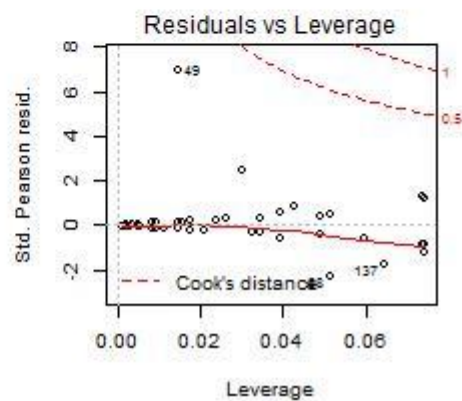
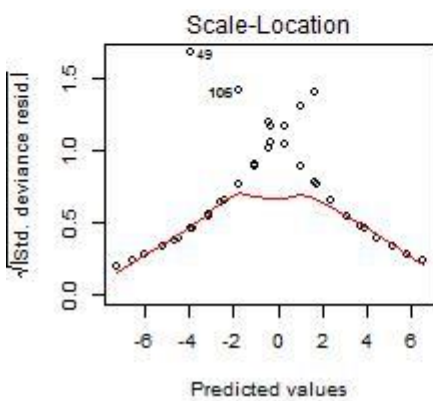
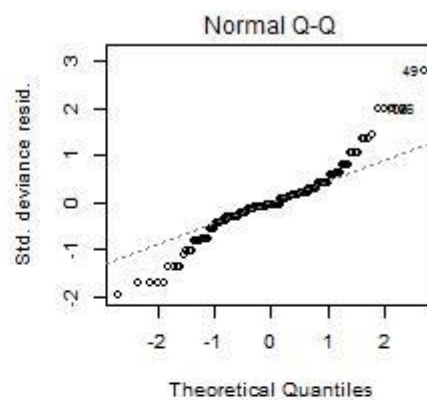
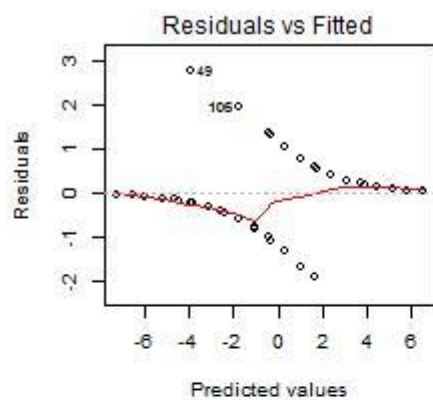


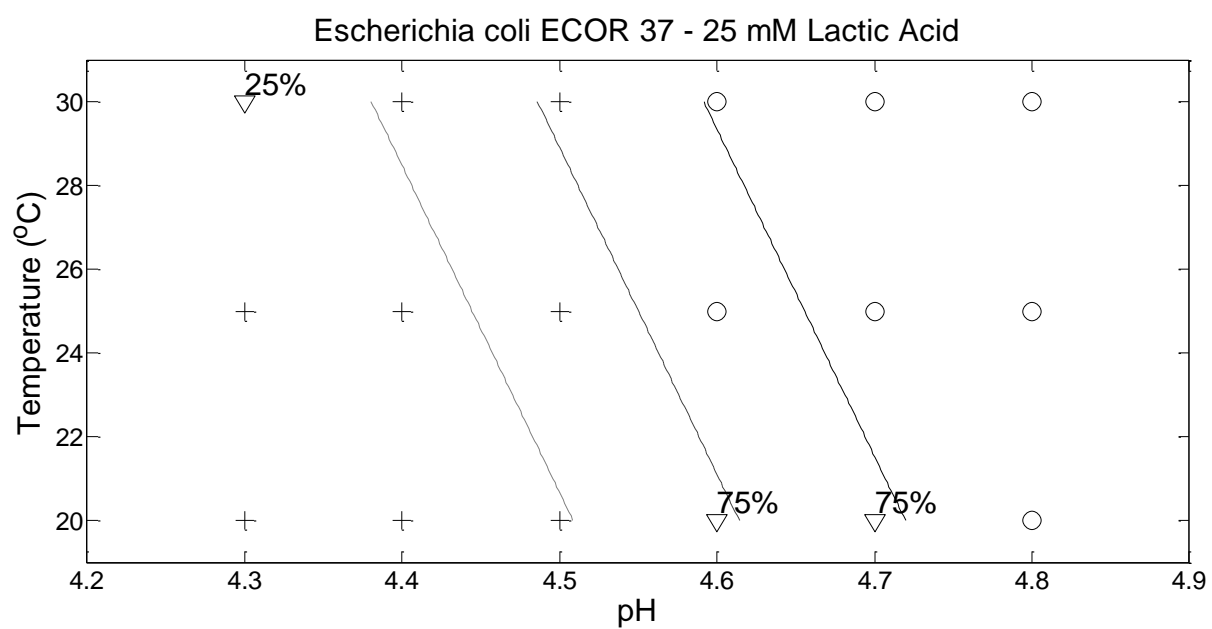
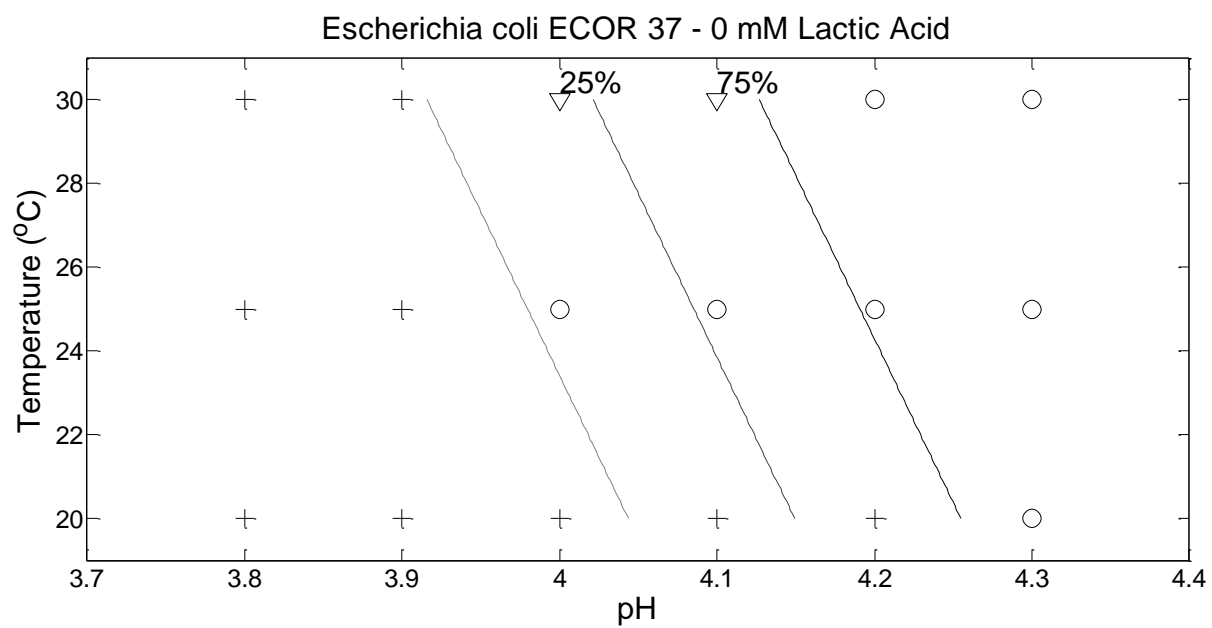
**O** **H** **Host** **Locale** **Notes**  
**59. *E.coli* ECOR 37** N N marmoset USA Group E strain from a healthy marmoset in captivity

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-91.69	15.07	-6.09	0.00	-125.97	-66.07	0.00	0.00	0.00
pH	20.81	3.42	6.08	0.00	14.98	28.59	1.10E+09	3.21E+06	2.61E+12
LA	-0.39	0.07	-5.64	0.00	-0.54	-0.27	0.68	0.58	0.76
Temp	0.27	0.08	3.25	0.00	0.12	0.44	1.31	1.12	1.56

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.69	
pH	1	46.36	154	167.33	0.00
LA	1	77.47	153	89.86	0.00
Temp	1	13.32	152	76.54	0.00

<b>AIC</b>	84.54
<b>Likelihood Ratio</b>	1.55E-29
<b>Log-Likelihood</b>	-38.27





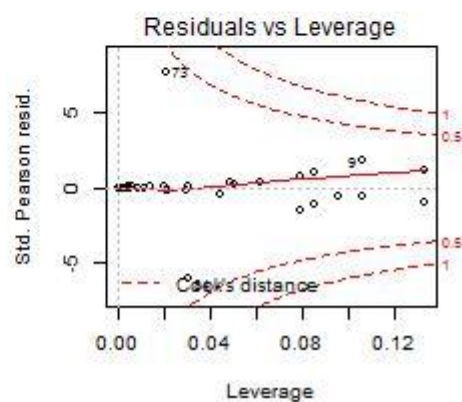
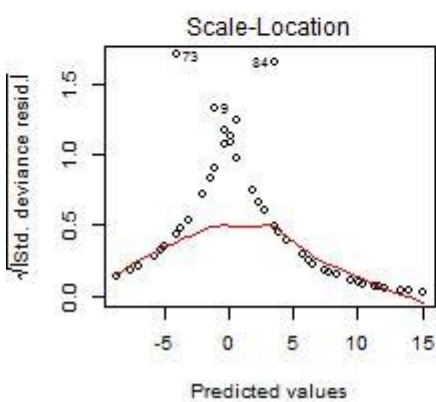
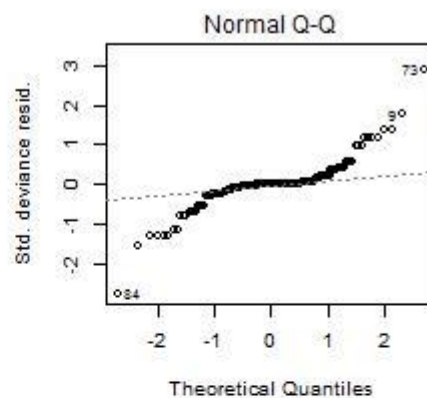
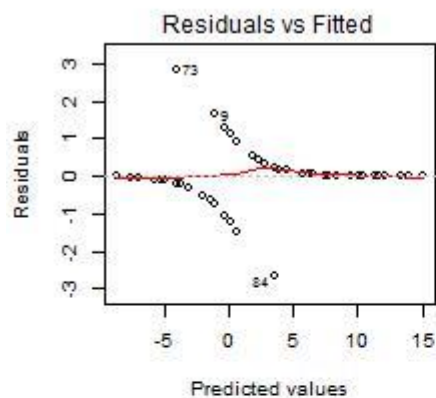


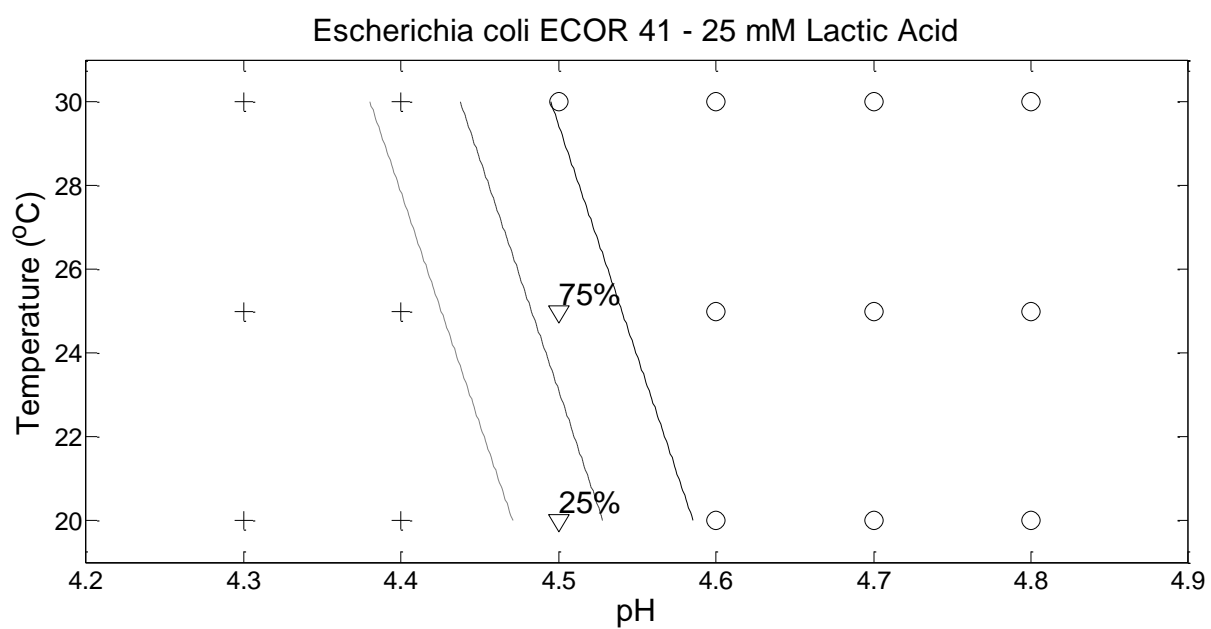
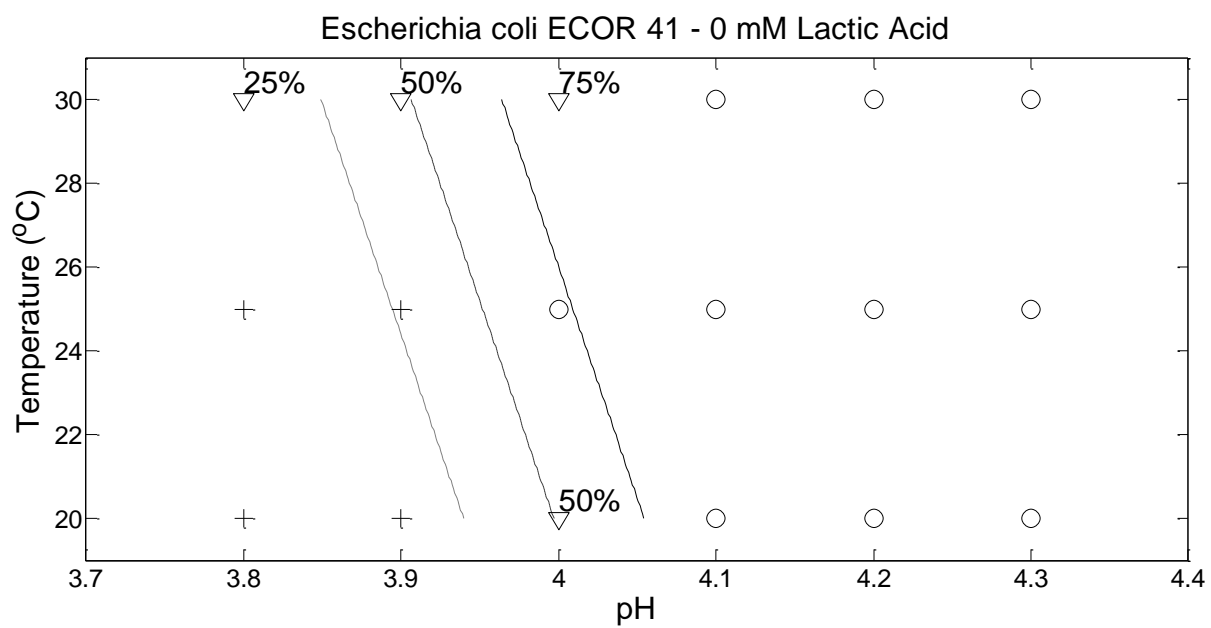
**60. *E.coli* ECOR 41**      **O H**      **Host**      **Locale**      **Notes**  
 7 NM      human      Tonga      Group D strain from a healthy person

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-160.11	34.62	-4.62	0.00	-244.79	-105.19	0.00	0.00	0.00
pH	38.32	8.28	4.63	0.00	25.18	58.55	4.39E+16	8.60E+10	2.67E+25
LA	-0.81	0.18	-4.57	0.00	-1.25	-0.53	0.44	0.29	0.59
Temp	0.35	0.12	3.00	0.00	0.14	0.61	1.41	1.16	1.83

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	209.65	
pH	1	34.48	154	175.17	0.00
LA	1	114.34	153	60.83	0.00
Temp	1	13.01	152	47.81	0.00

<b>AIC</b>	55.81
<b>Likelihood Ratio</b>	7.36E-35
<b>Log-Likelihood</b>	-23.91





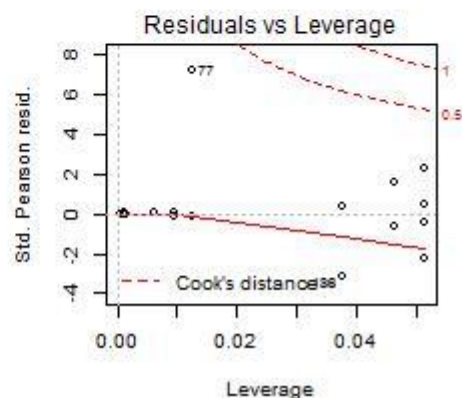
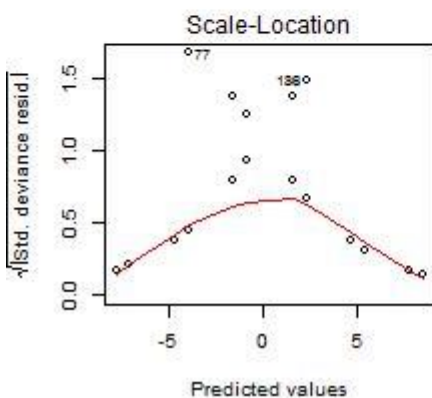
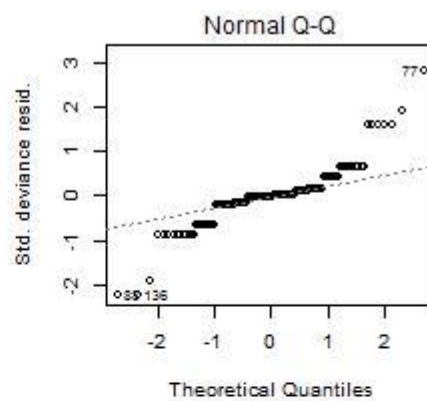
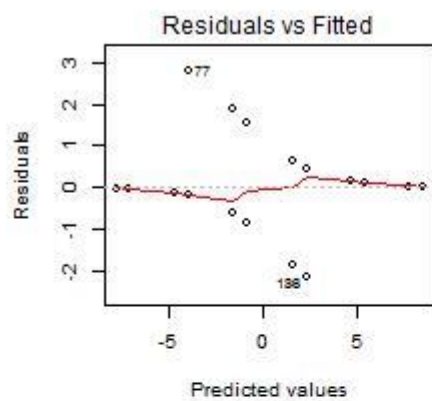
		O	H	Host	Locale	Notes			
61. <i>E.coli</i> ECOR 42		N	26	human	USA	Group E strain from a healthy person			
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-125.47	23.67	-5.30	0.00	-180.68	-86.50	0.00	0.00	0.00
pH	31.16	5.89	5.29	0.00	21.46	44.92	3.41E+13	2.10E+09	3.21E+19
LA	-0.65	0.13	-5.07	0.00	-0.95	-0.44	0.52	0.38	0.64

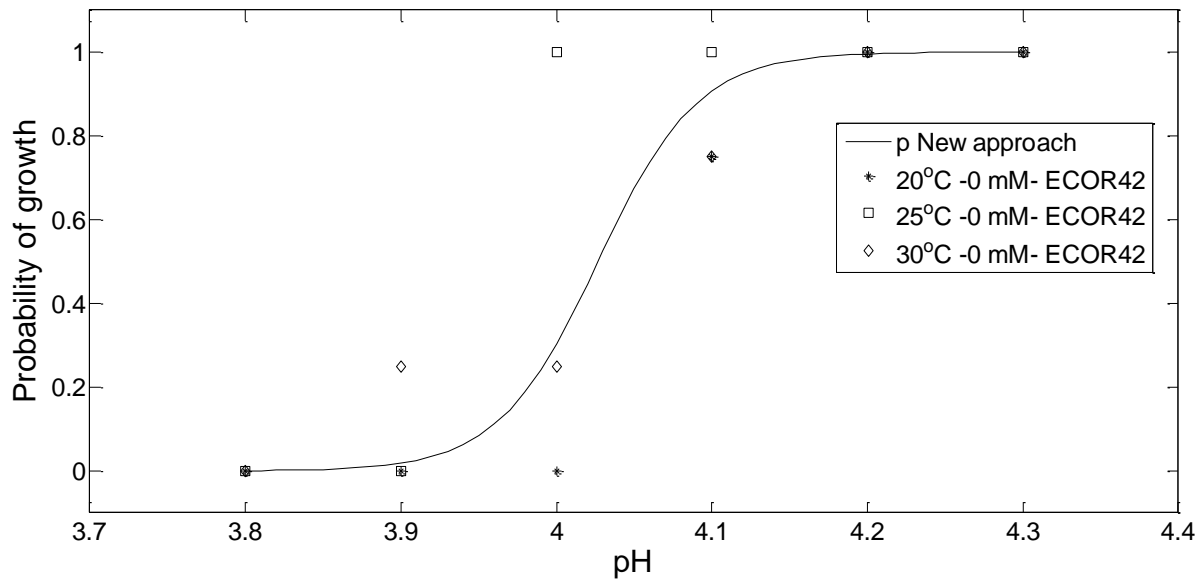
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.16	
pH	1	38.33	154	177.83	0.00
LA	1	121.96	153	55.86	0.00

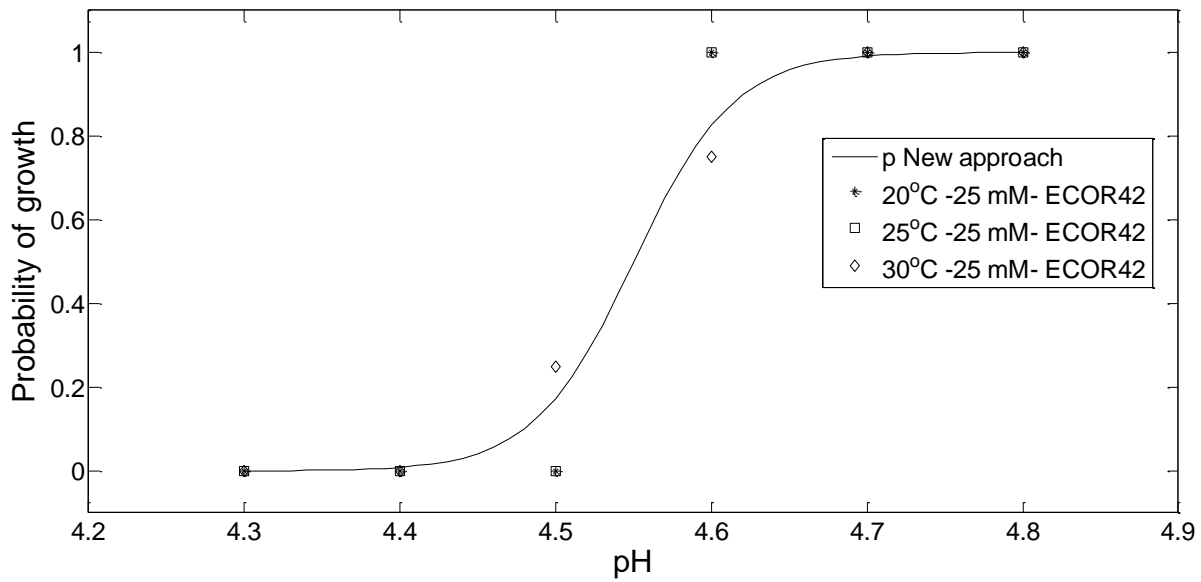
AIC	61.86
Likelihood Ratio	1.56E-35
Log-Likelihood	-27.93

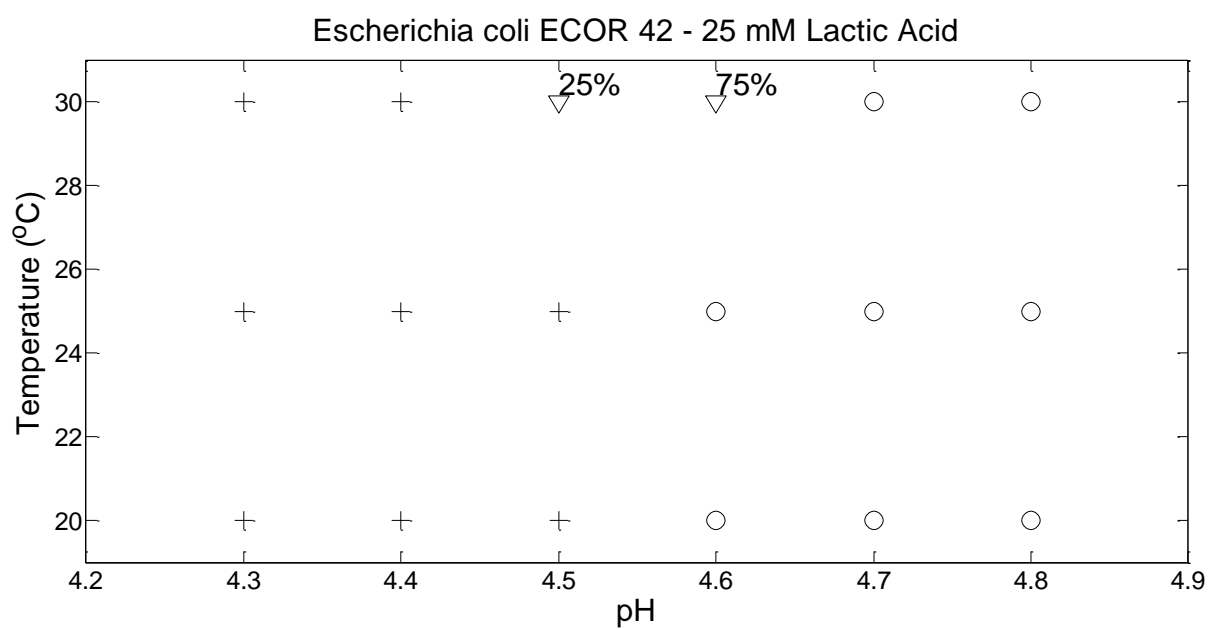
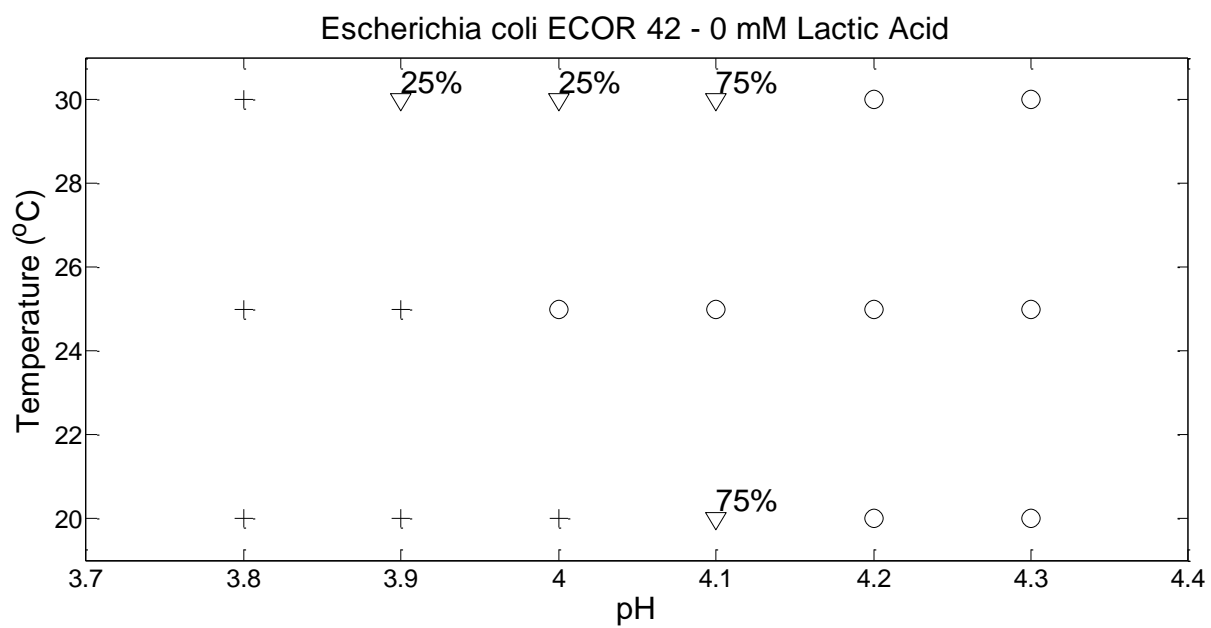


Escherichia coli ECOR 42 - 0 mM Lactic Acid



Escherichia coli ECOR 42 - 25 mM Lactic Acid







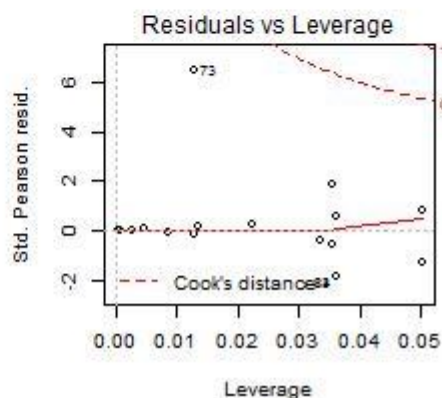
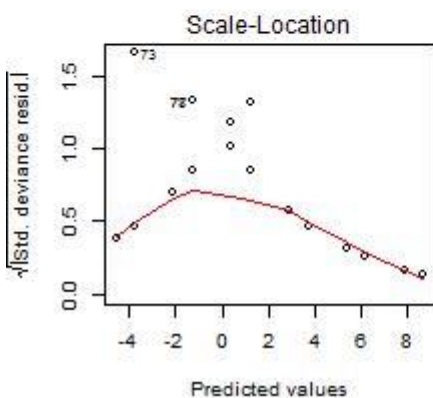
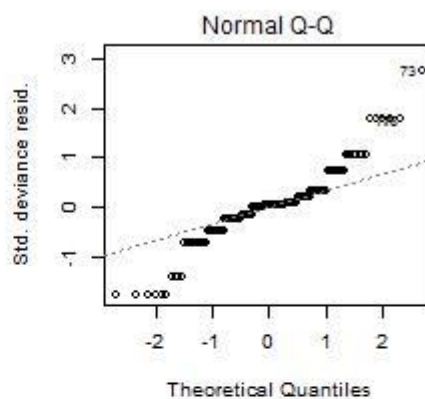
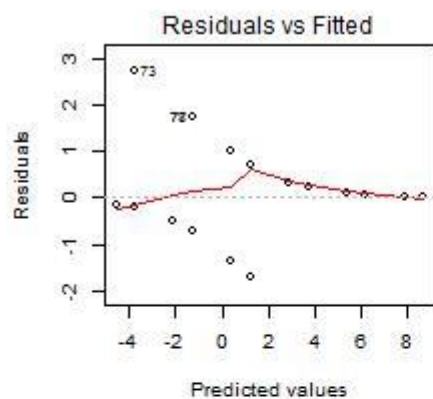
62. <i>E.coli</i> ECOR 43		O	H	Host	Locale	Notes			
		N	N	human	Sweden	Group E strain from a healthy person			
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-98.01	16.90	-5.80	0.00	-136.39	-69.38	0.00	0.00	0.00
pH	24.81	4.28	5.80	0.00	17.56	34.53	5.96E+10	4.25E+07	9.88E+14
LA	-0.53	0.09	-5.58	0.00	-0.74	-0.37	0.59	0.48	0.69

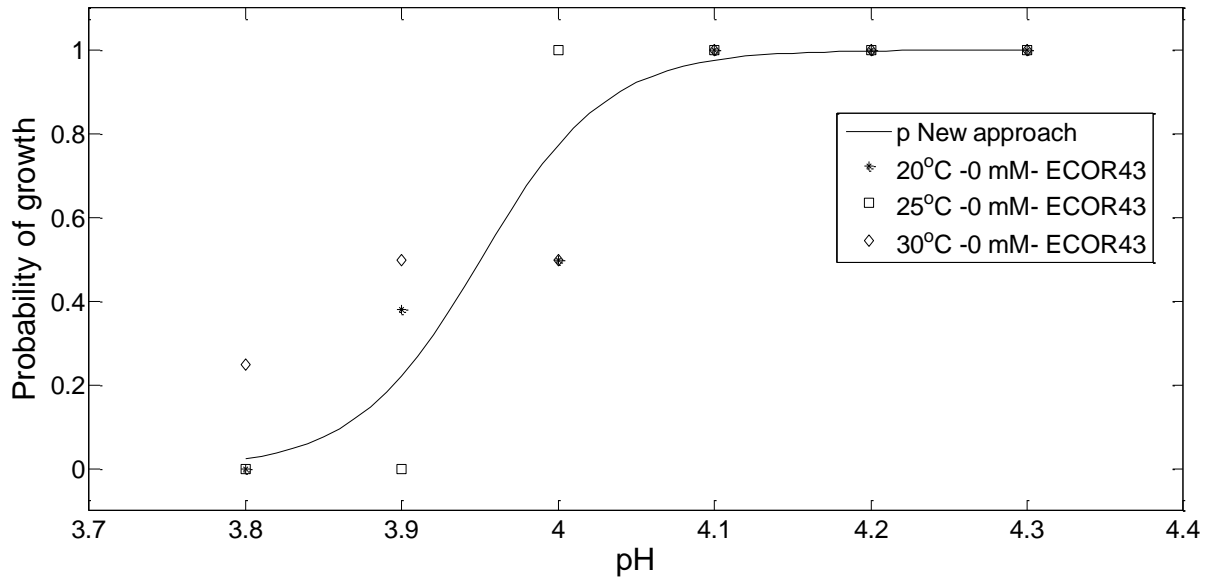
	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	207.88	
pH	1	29.32	154	178.56	0.00
LA	1	106.16	153	72.40	0.00

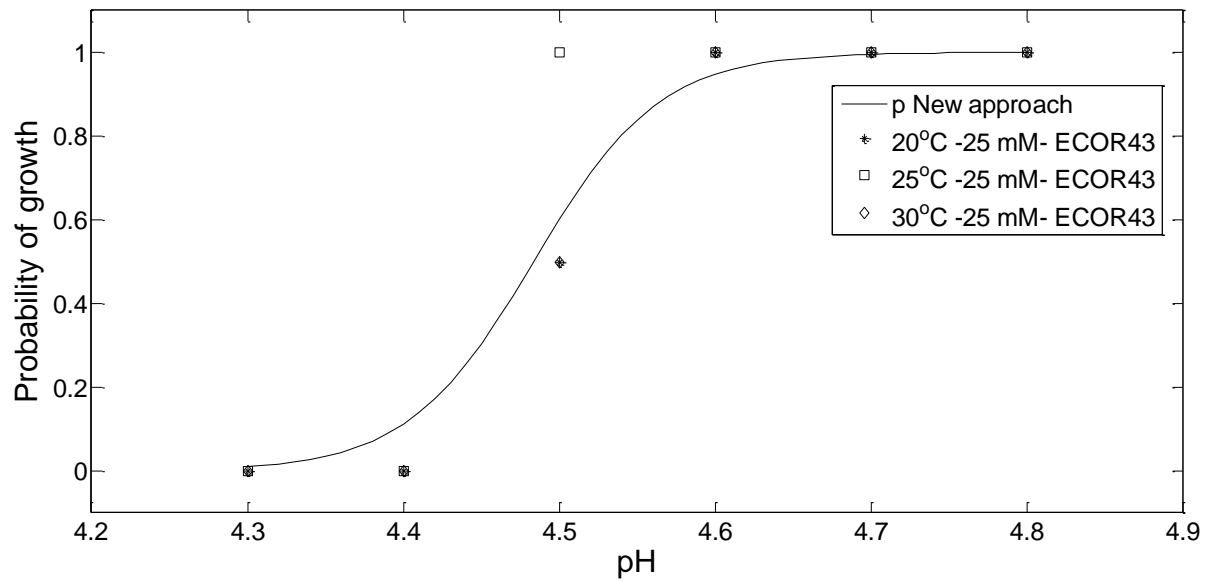
<b>AIC</b>	78.40
<b>Likelihood Ratio</b>	3.81E-30
<b>Log-Likelihood</b>	-36.20



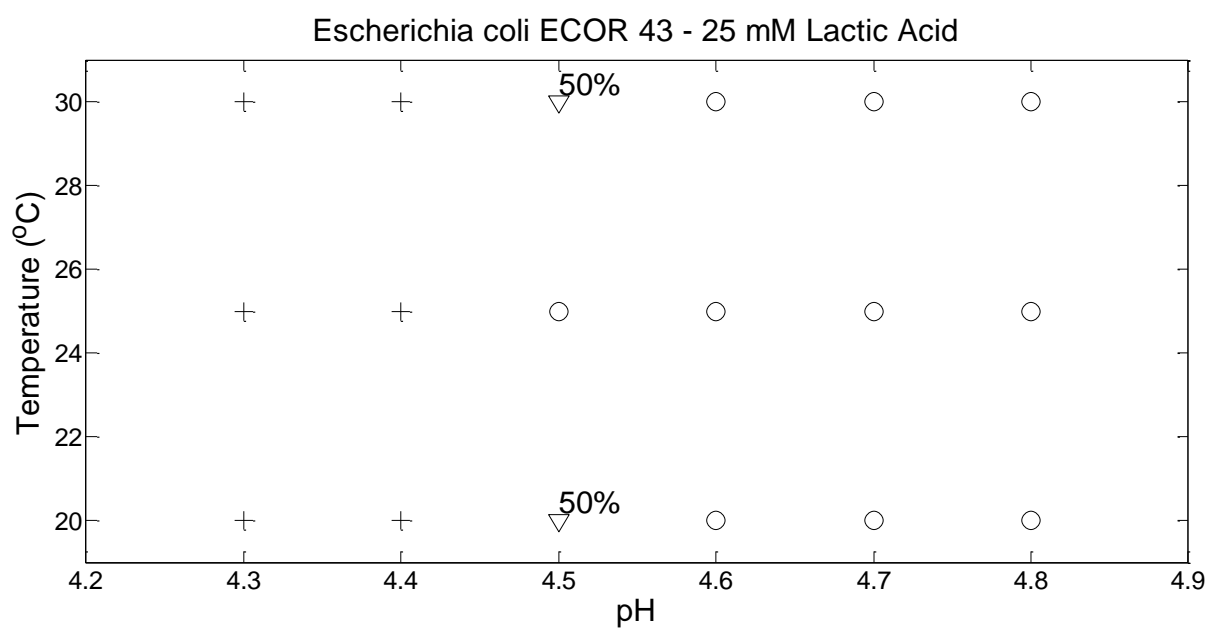
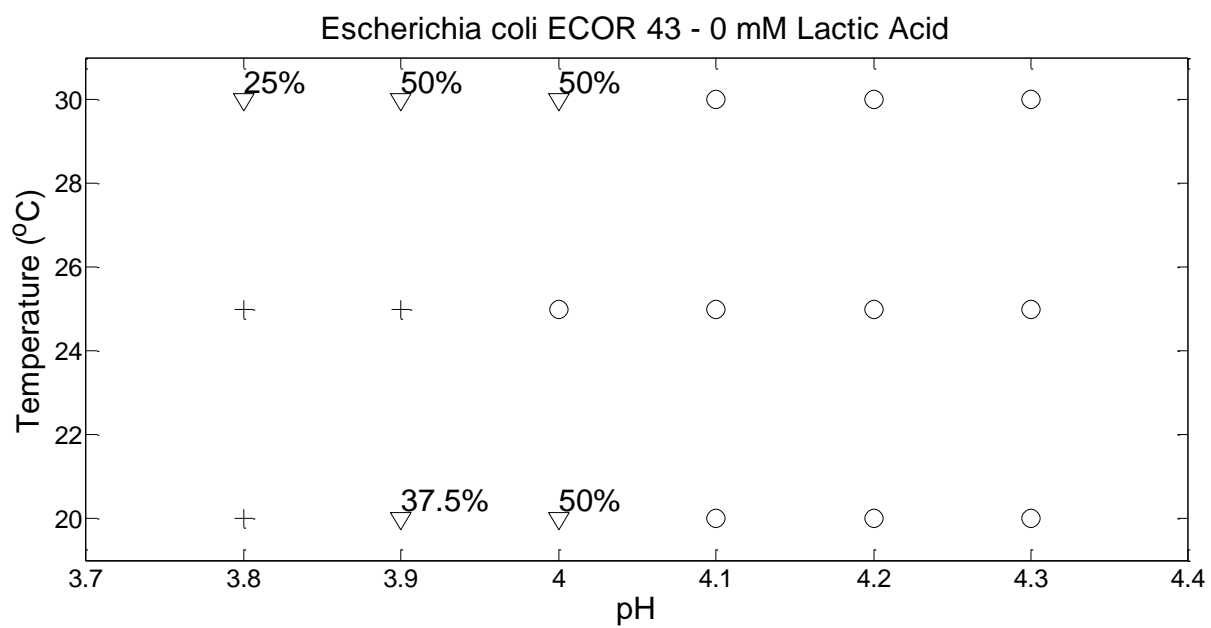
Escherichia coli ECOR 43 - 0 mM Lactic Acid



Escherichia coli ECOR 43 - 25 mM Lactic Acid







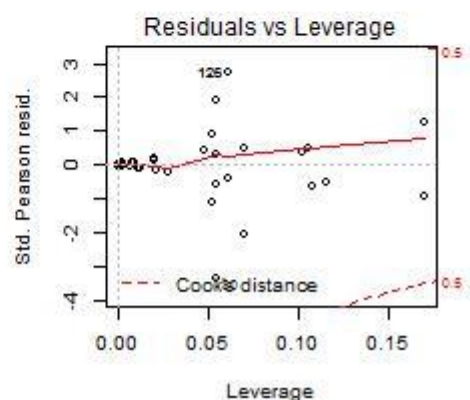
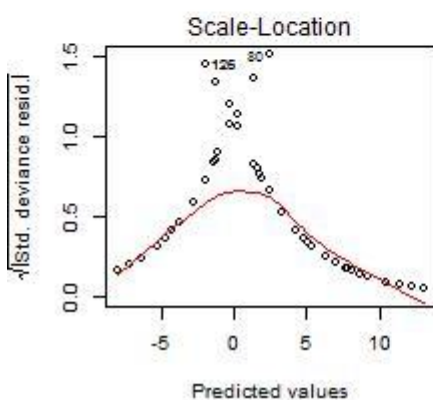
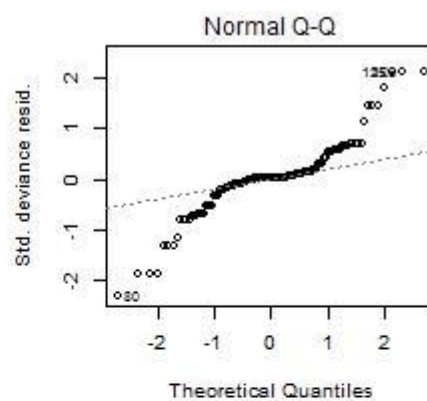
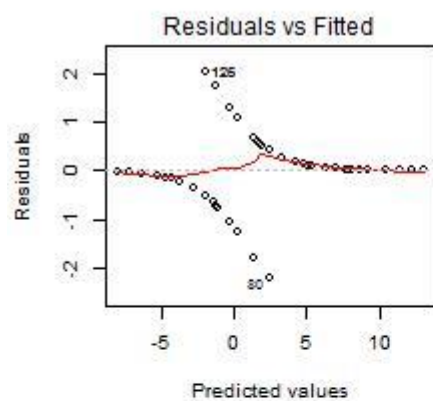


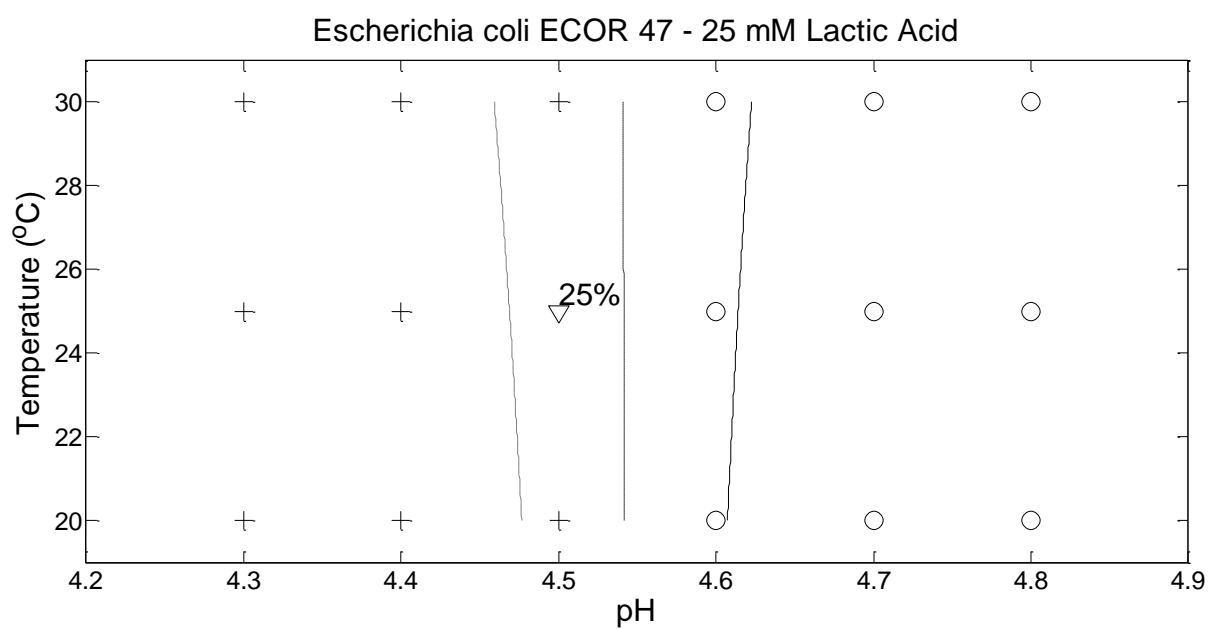
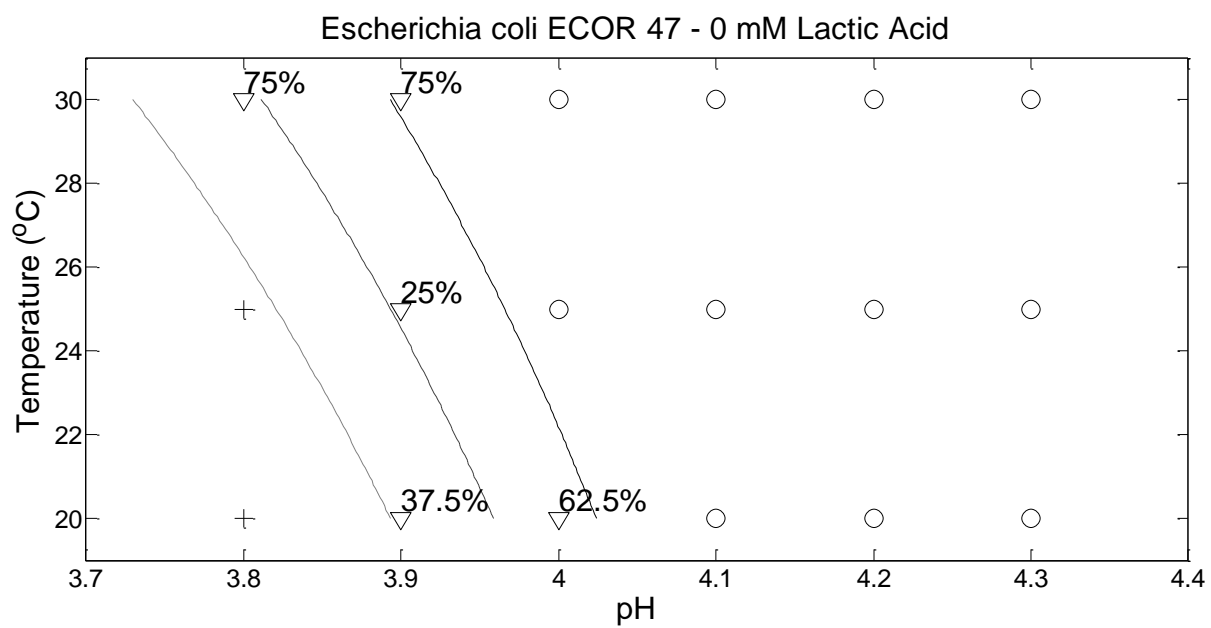
	<b>O</b>	<b>H</b>	<b>Host</b>	<b>Locale</b>	<b>Notes</b>
	M	18	sheep	New Guinea	Group D strain from a healthy sheep
<b>63. <i>E.coli</i> ECOR 47</b>					

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-194.41	44.19	-4.40	0.00	-296.54	-119.40	0.00	0.00	0.00
pH	47.11	10.67	4.41	0.00	29.01	71.78	2.89E+20	3.95E+12	1.49E+31
LA	-0.78	0.15	-5.22	0.00	-1.13	-0.53	0.46	0.32	0.59
Temp	3.06	1.18	2.59	0.01	0.91	5.65	21.40	2.50	283.40
pH:Temp	-0.67	0.28	-2.43	0.02	-1.28	-0.17	0.51	0.28	0.85

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	207.88	
pH	1	9.53	154	198.35	0.00
LA	1	125.49	153	72.86	0.00
Temp	1	8.40	152	64.45	0.00
pH:Temp	1	6.95	151	57.50	0.01

<b>AIC</b>	67.50
<b>Likelihood Ratio</b>	1.69E-31
<b>Log-Likelihood</b>	-28.75



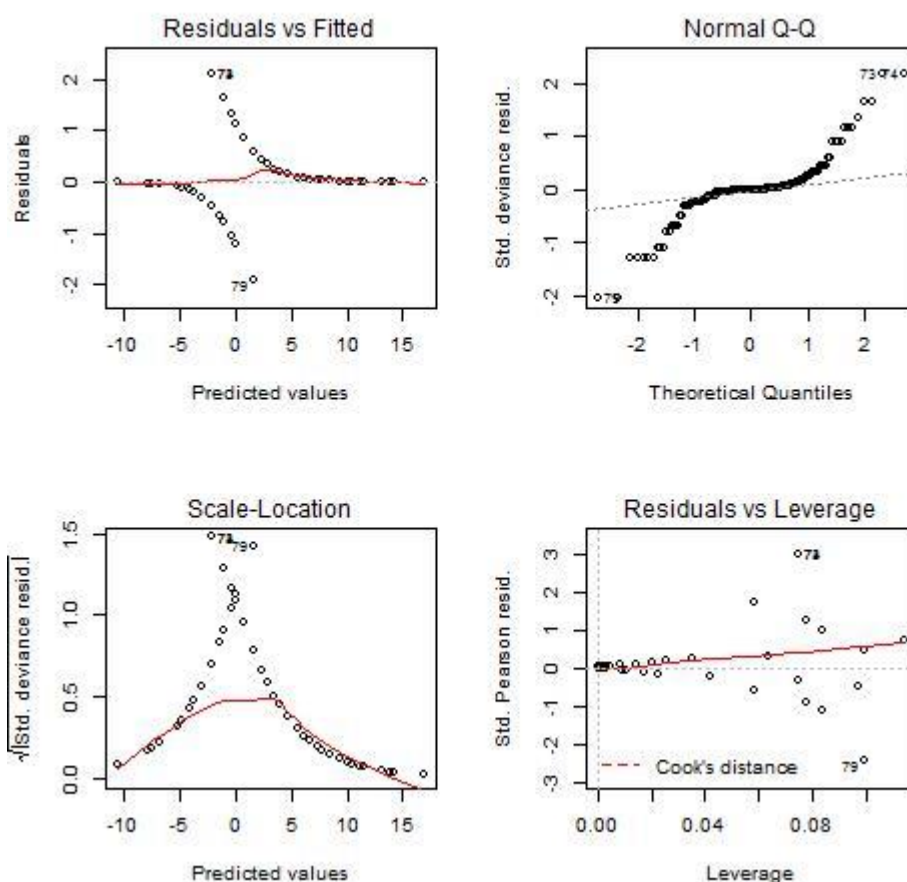


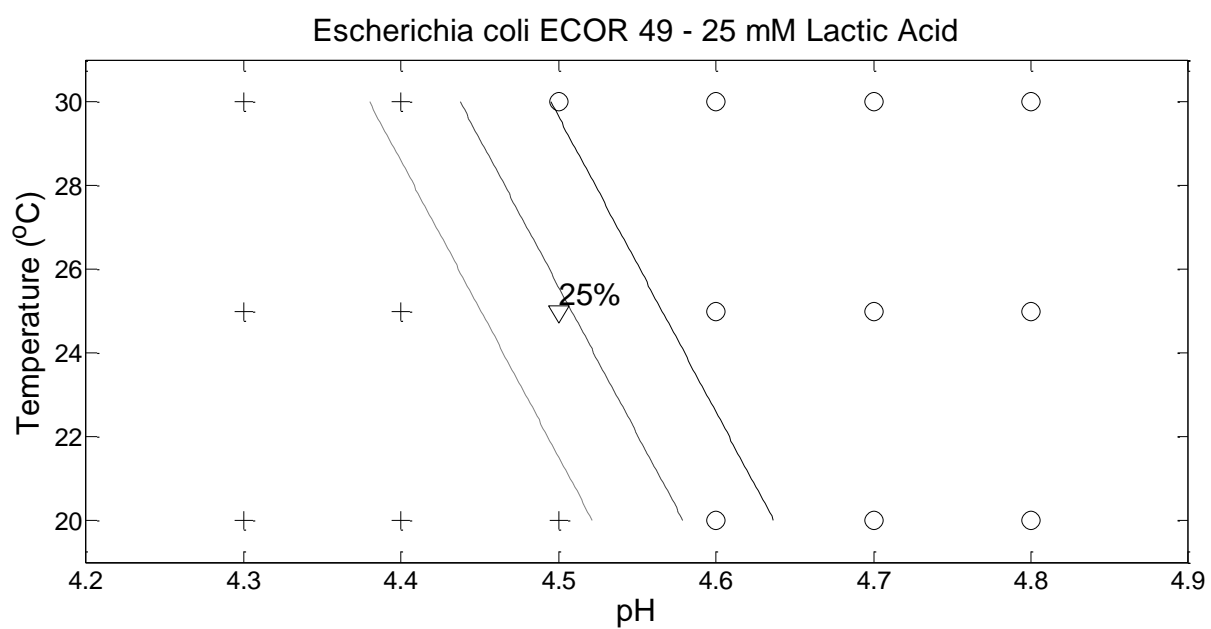
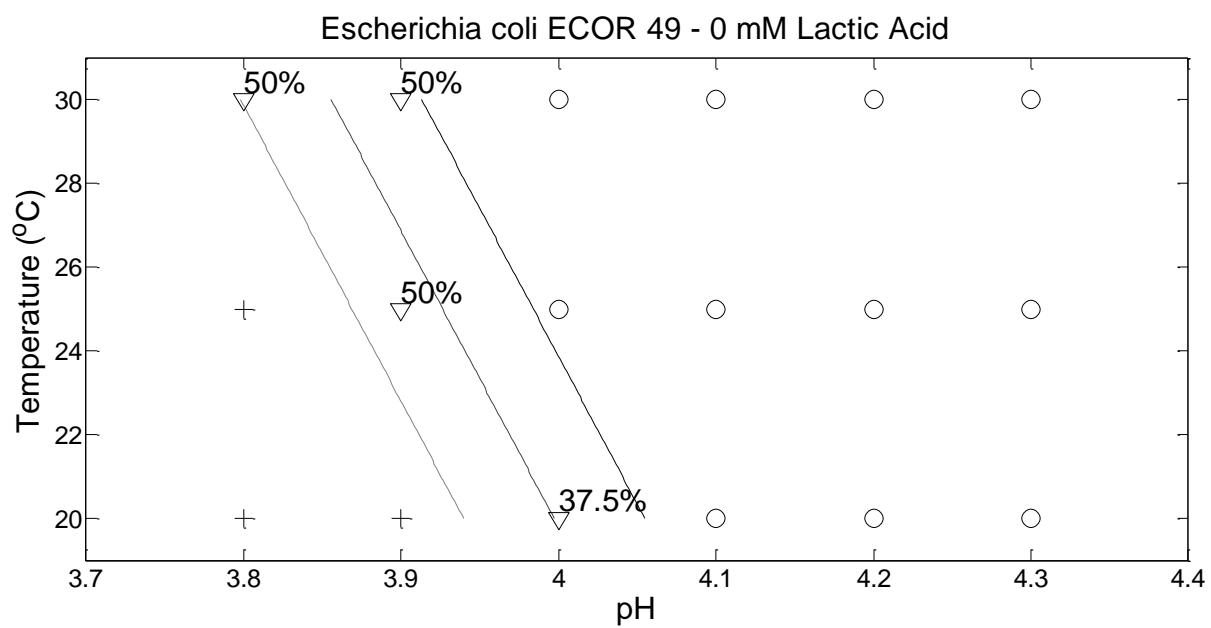
**64. *E.coli* ECOR 49**    **O** 2    **H** NM    **Host** human    **Locale** Sweden    **Notes** Group D strain from a healthy person

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-163.40	35.53	-4.60	0.00	-250.88	-107.02	0.00	0.00	0.00
pH	38.17	8.28	4.61	0.00	25.00	58.45	3.79E+16	7.23E+10	2.42E+25
LA	-0.89	0.20	-4.54	0.00	-1.37	-0.58	0.41	0.25	0.56
Temp	0.54	0.15	3.59	0.00	0.29	0.91	1.72	1.34	2.49

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	209.65	
pH	1	22.67	154	186.99	0.00
LA	1	111.68	153	75.31	0.00
Temp	1	27.50	152	47.81	0.00

<b>AIC</b>	55.81
<b>Likelihood Ratio</b>	7.33E-35
<b>Log-Likelihood</b>	-23.90





**65. *E.coli* ECOR 51**

**O H**

**Host**

**Locale**

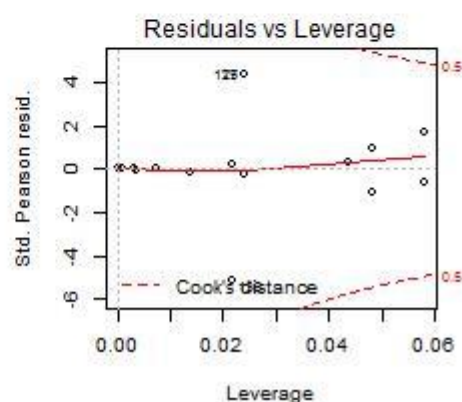
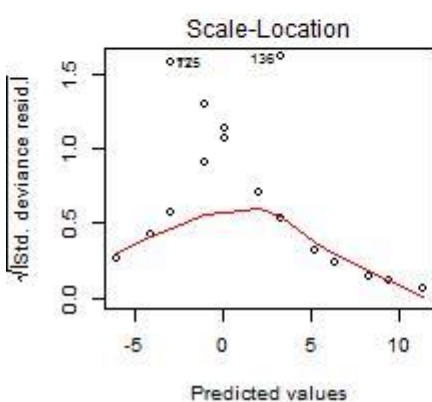
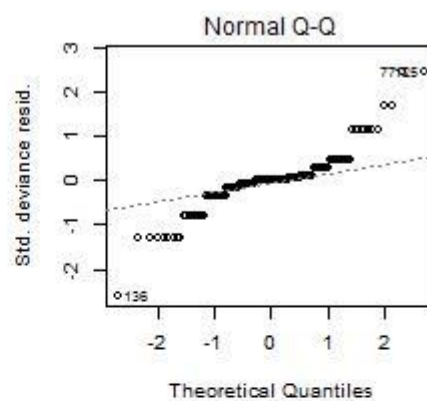
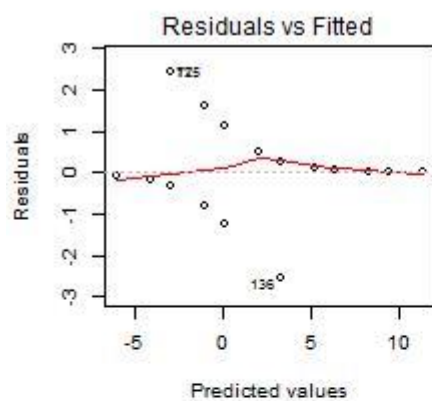
**Notes**

25 N Human (infant) USA Group B2 strain from a healthy infant

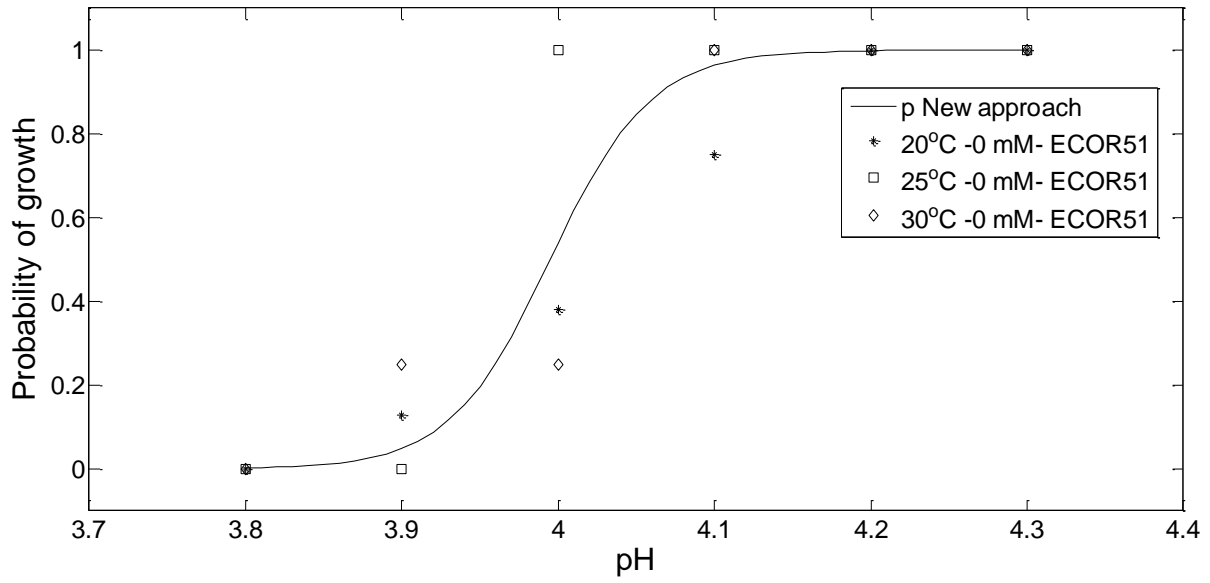
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-124.22	24.27	-5.12	0.00	-182.43	-84.71	0.00	0.00	0.00
pH	31.09	6.08	5.12	0.00	21.20	45.66	3.19E+13	1.61E+09	6.78E+19
LA	-0.54	0.11	-4.97	0.00	-0.80	-0.36	0.58	0.45	0.70

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	208.79	
pH	1	57.04	154	151.75	0.00
LA	1	93.69	153	58.06	0.00

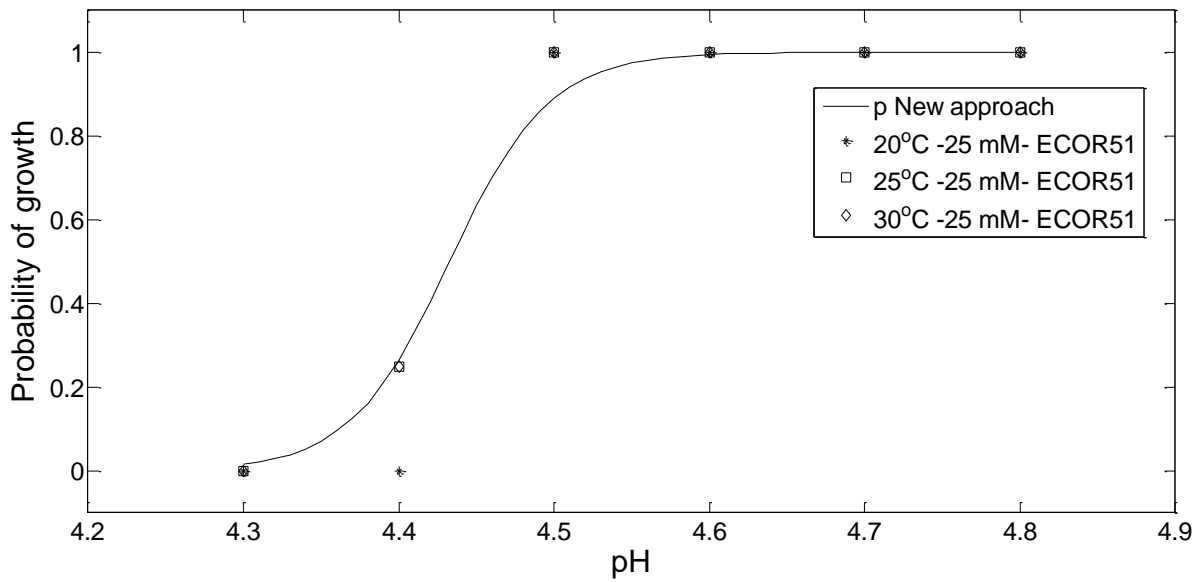
<b>AIC</b>	64.06
<b>Likelihood Ratio</b>	1.86E-33
<b>Log-Likelihood</b>	-29.03



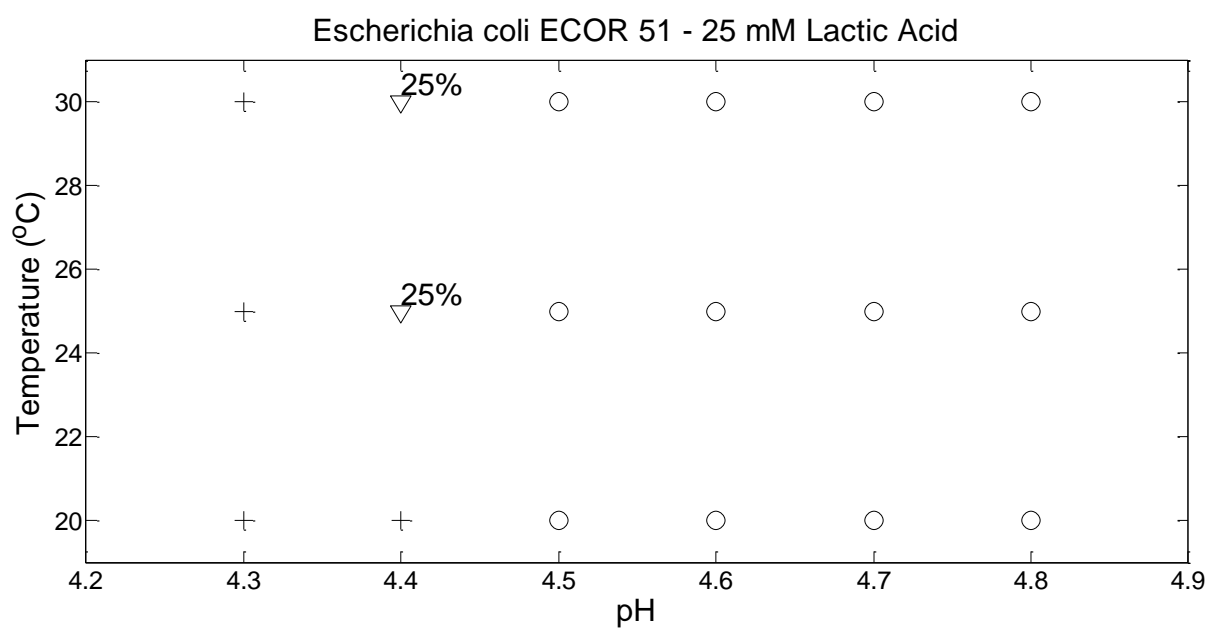
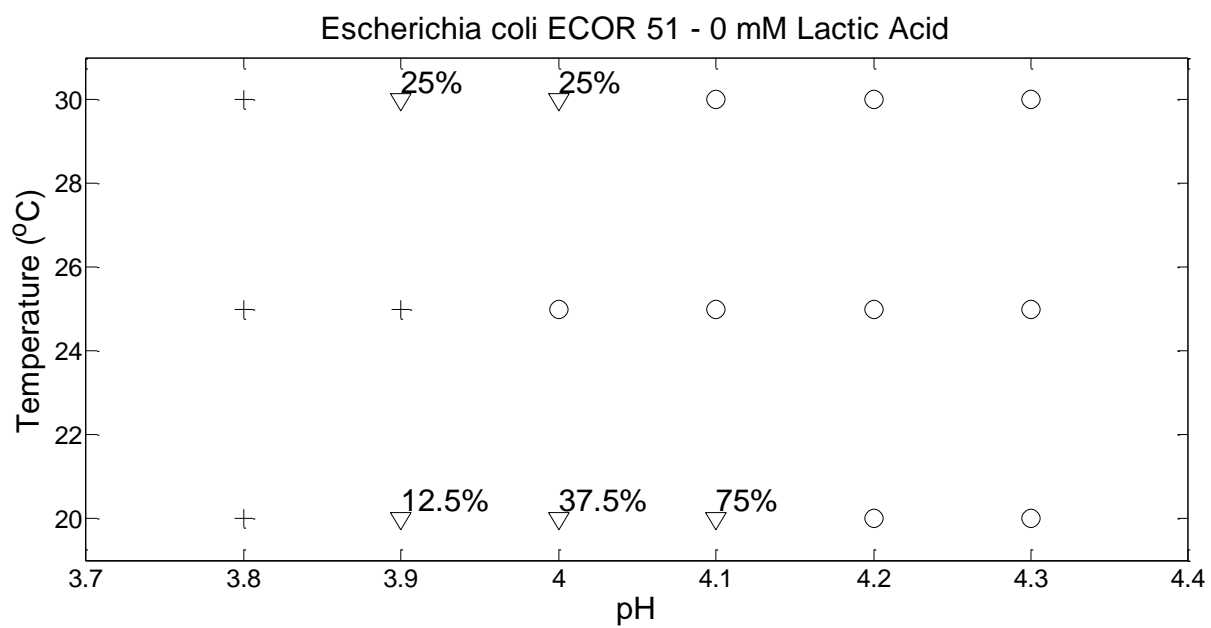
Escherichia coli ECOR 51 - 0 mM Lactic Acid



Escherichia coli ECOR 51 - 25 mM Lactic Acid









**66. *E.coli* ECOR 57**

**O H**  
N NM

**Host**  
gorila

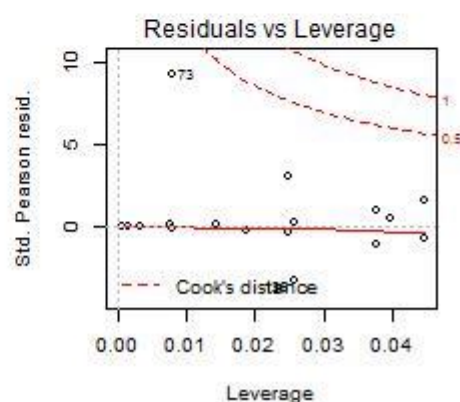
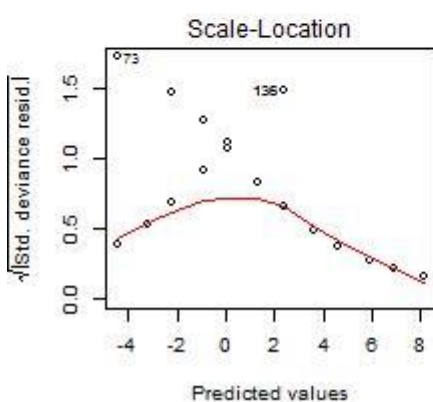
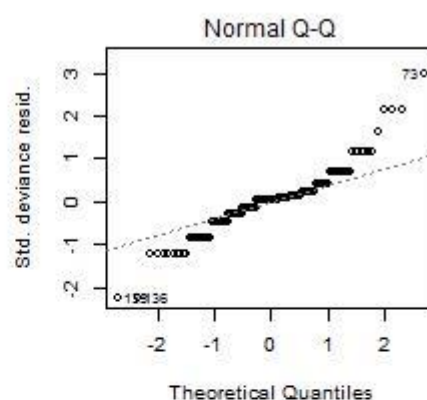
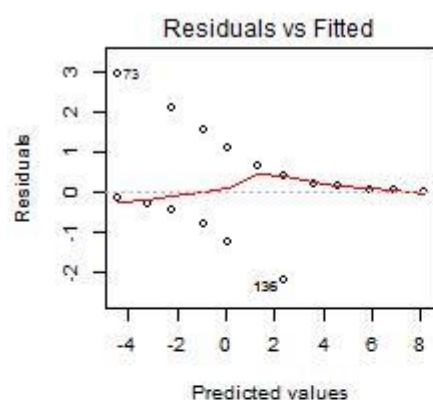
**Locale**  
USA

**Notes**  
Group B2 strain from a healthy gorilla in captivity

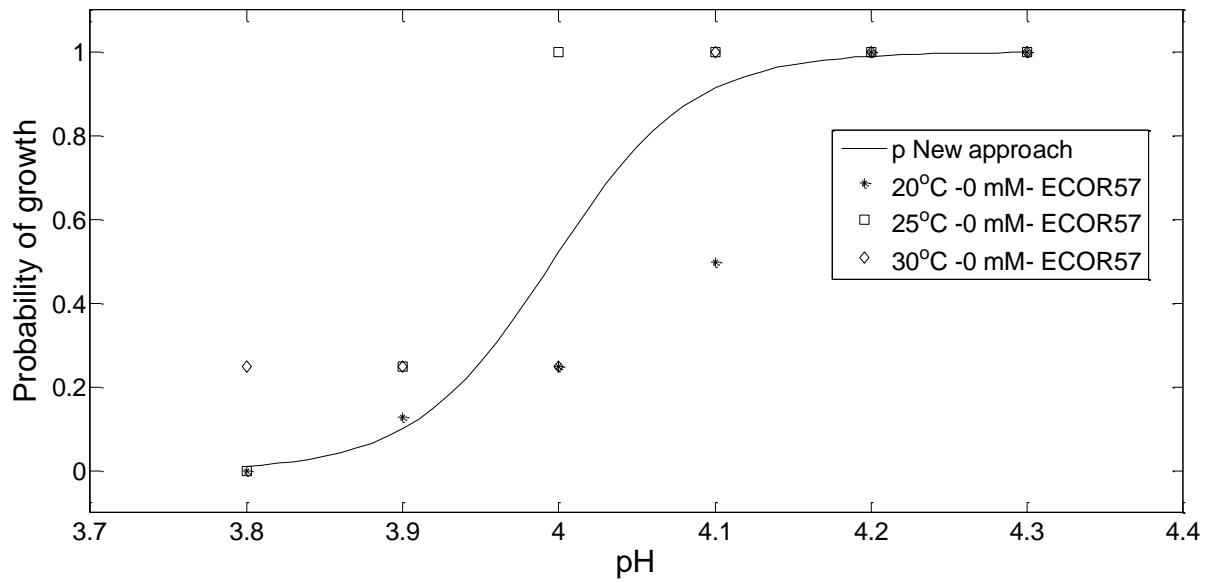
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-90.79	15.46	-5.87	0.00	-126.04	-64.59	0.00	0.00	0.00
pH	22.72	3.87	5.87	0.00	16.16	31.55	7.36E+09	1.04E+07	5.02E+13
LA	-0.40	0.07	-5.48	0.00	-0.57	-0.28	0.67	0.57	0.76

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	209.65	
pH	1	51.47	154	158.18	0.00
LA	1	81.05	153	77.13	0.00

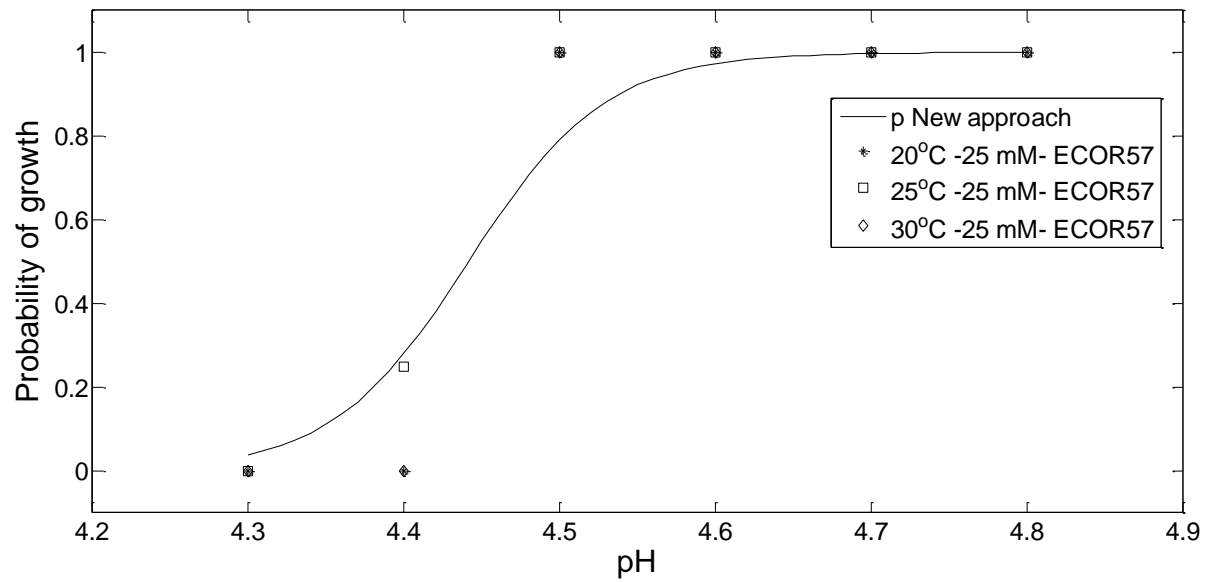
<b>AIC</b>	83.13
<b>Likelihood Ratio</b>	1.67E-29
<b>Log-Likelihood</b>	-38.57

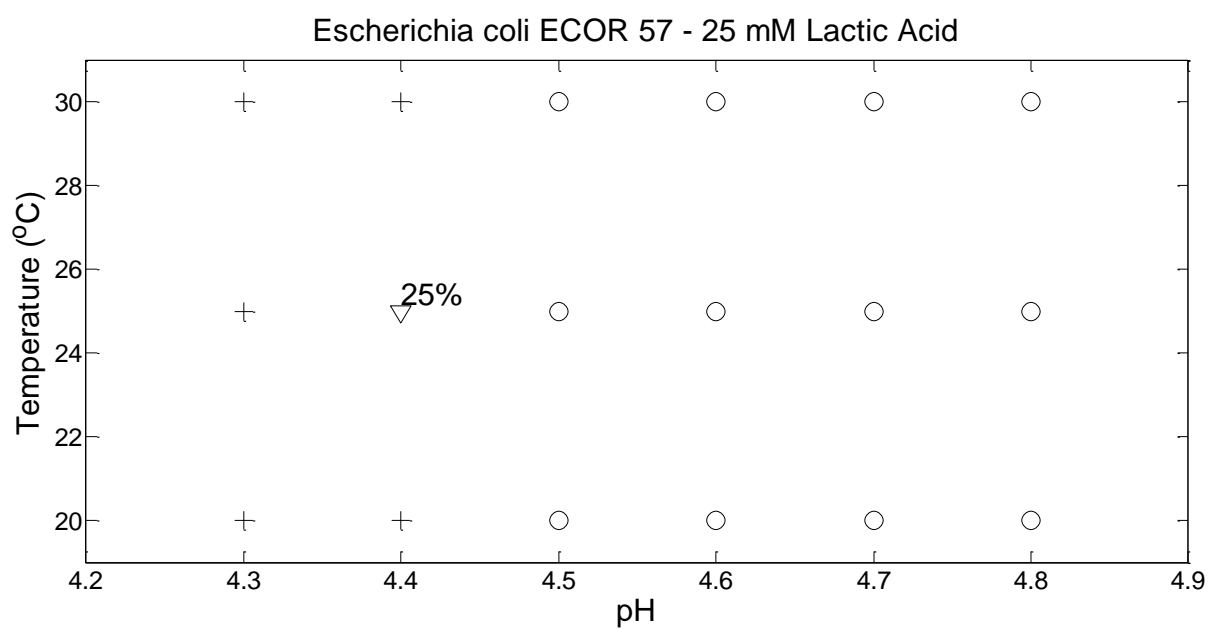
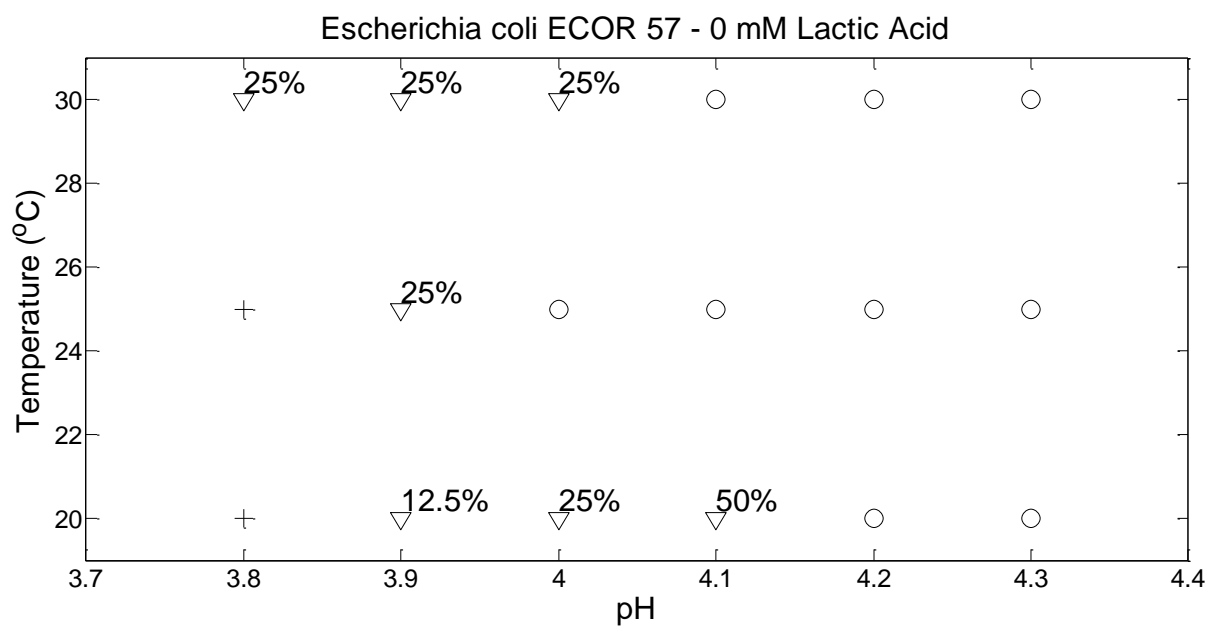


Escherichia coli ECOR 57 - 0 mM Lactic Acid



Escherichia coli ECOR 57 - 25 mM Lactic Acid





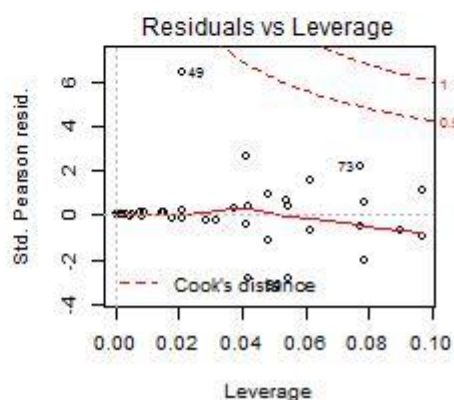
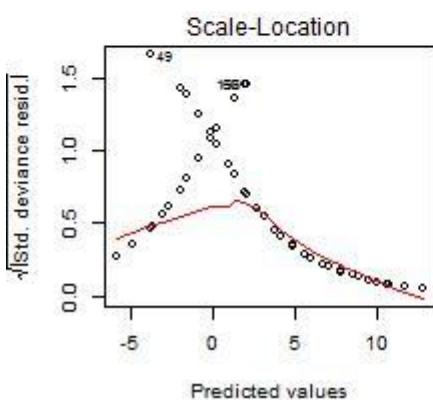
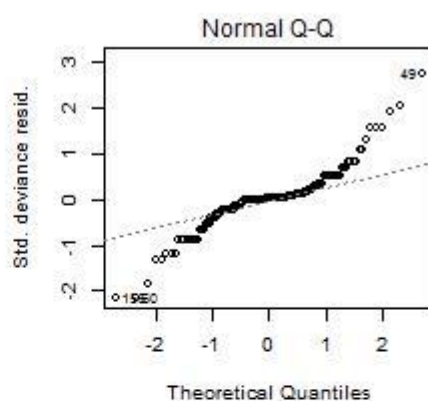
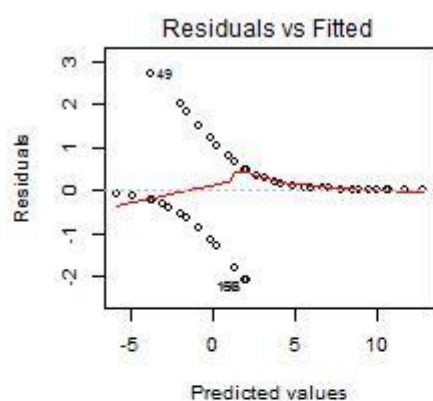


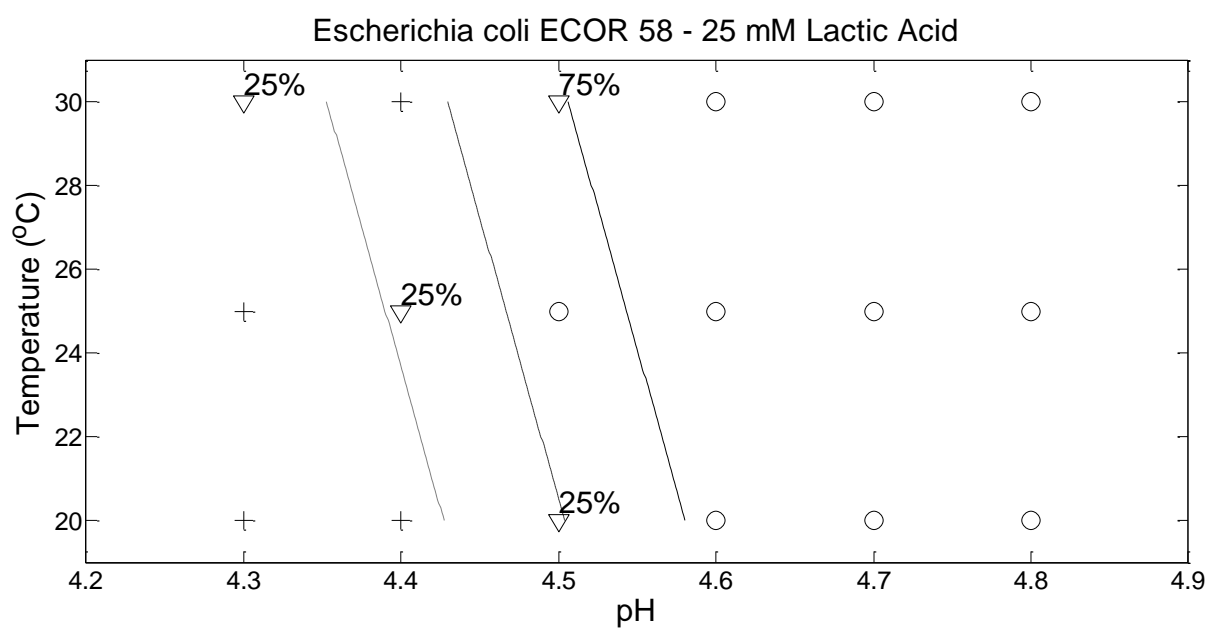
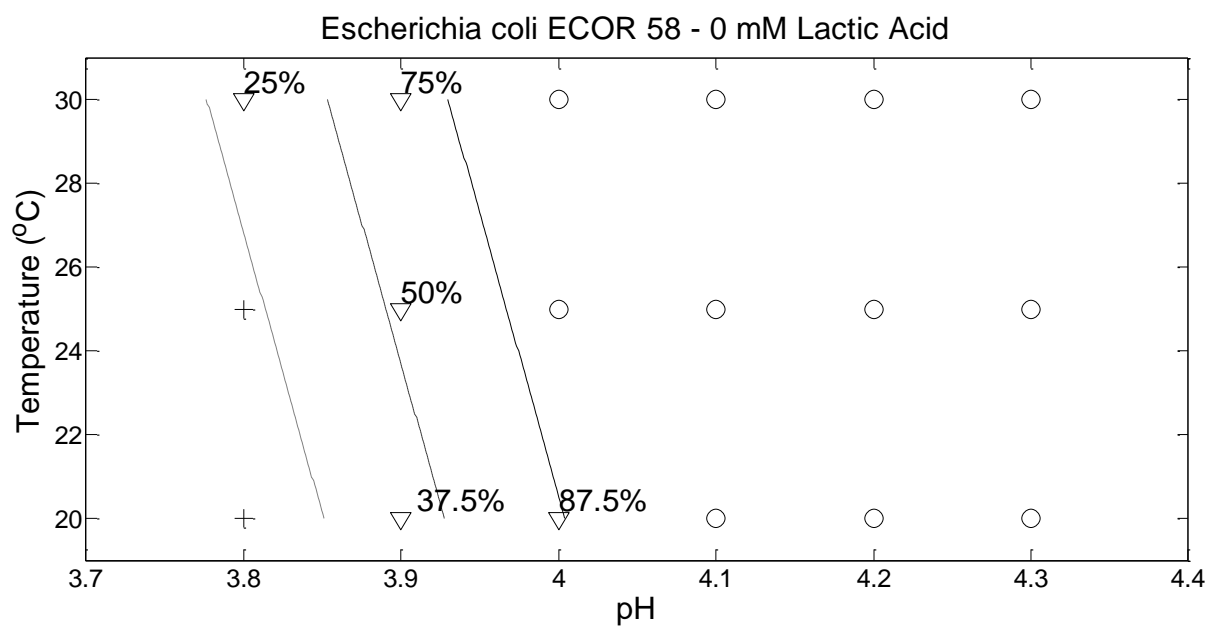
**O H**      **Host**      **Locale**      **Notes**  
**67. *E.coli* ECOR 58**<sub>112 8</sub>      lion      USA      Group B1 strain from a healthy lion in captivity

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-116.84	21.84	-5.35	0.00	-167.14	-80.30	0.00	0.00	0.00
pH	28.66	5.35	5.35	0.00	19.71	41.01	2.81E+12	3.62E+08	6.44E+17
LA	-0.66	0.13	-5.25	0.00	-0.95	-0.45	0.52	0.39	0.64
Temp	0.21	0.09	2.46	0.01	0.05	0.40	1.24	1.06	1.49

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	195.70	
pH	1	18.43	154	177.28	0.00
LA	1	107.47	153	69.81	0.00
Temp	1	7.08	152	62.73	0.01

<b>AIC</b>	70.73
<b>Likelihood Ratio</b>	1.23E-28
<b>Log-Likelihood</b>	-31.36





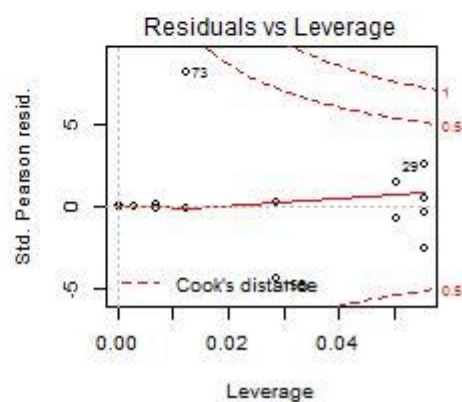
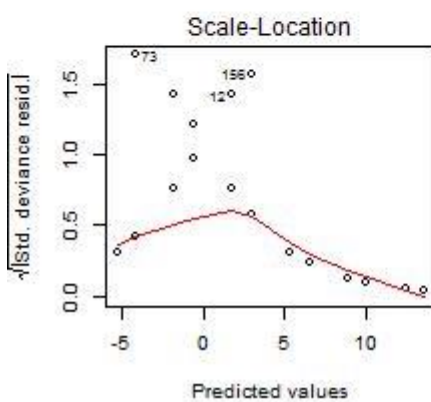
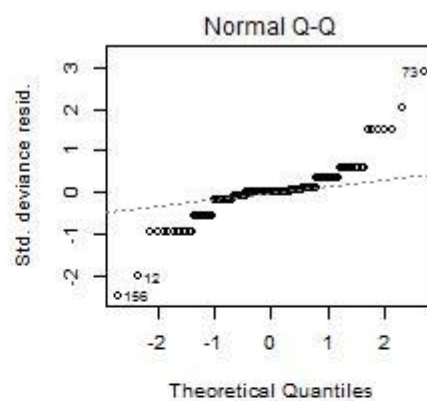
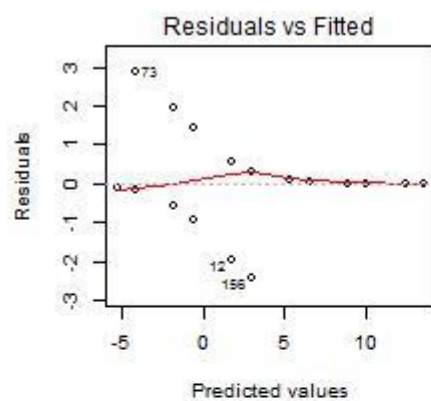


**68. *E.coli* ECOR 59**      **O** 4    **H** 40      **Host** human      **Locale** USA      **Notes** Group B2 strain from a healthy person

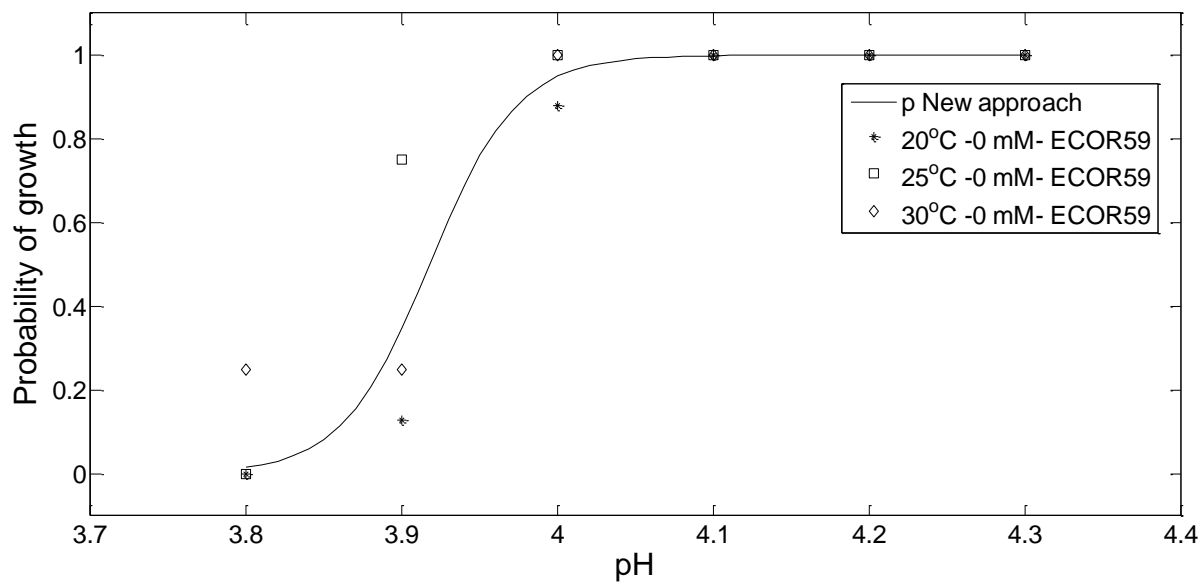
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-139.30	27.50	-5.07	0.00	-204.22	-94.12	0.00	0.00	0.00
pH	35.56	7.03	5.06	0.00	24.02	52.17	2.77E+15	2.71E+10	4.55E+22
LA	-0.76	0.15	-4.92	0.00	-1.12	-0.51	0.47	0.32	0.60

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	28.52	154	168.66	0.00
LA	1	117.44	153	51.22	0.00

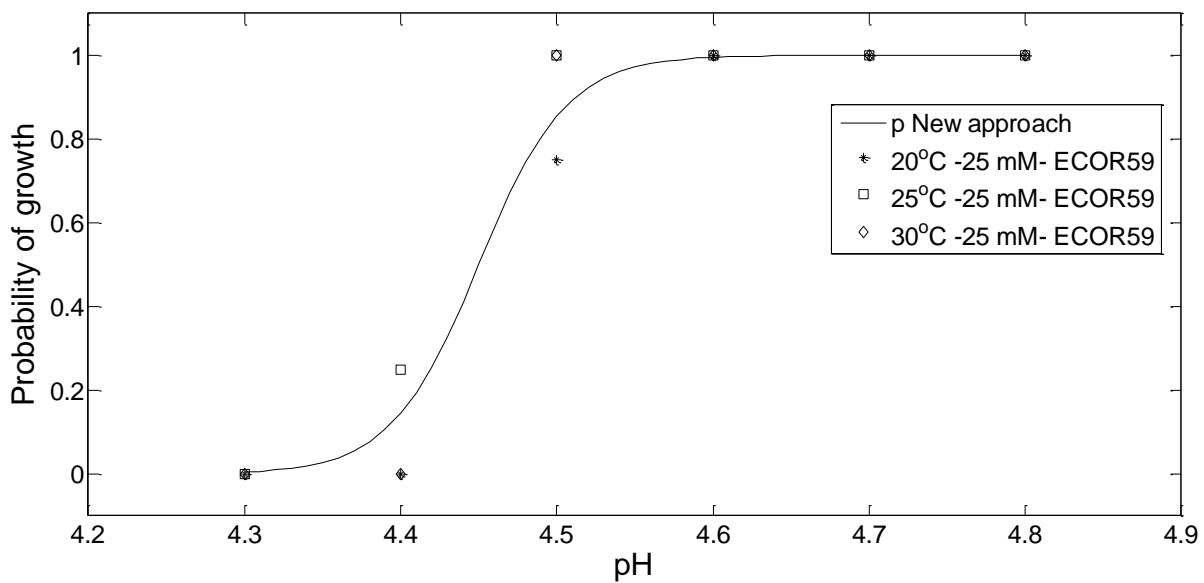
<b>AIC</b>	57.22
<b>Likelihood Ratio</b>	2.02E-32
<b>Log-Likelihood</b>	-25.61

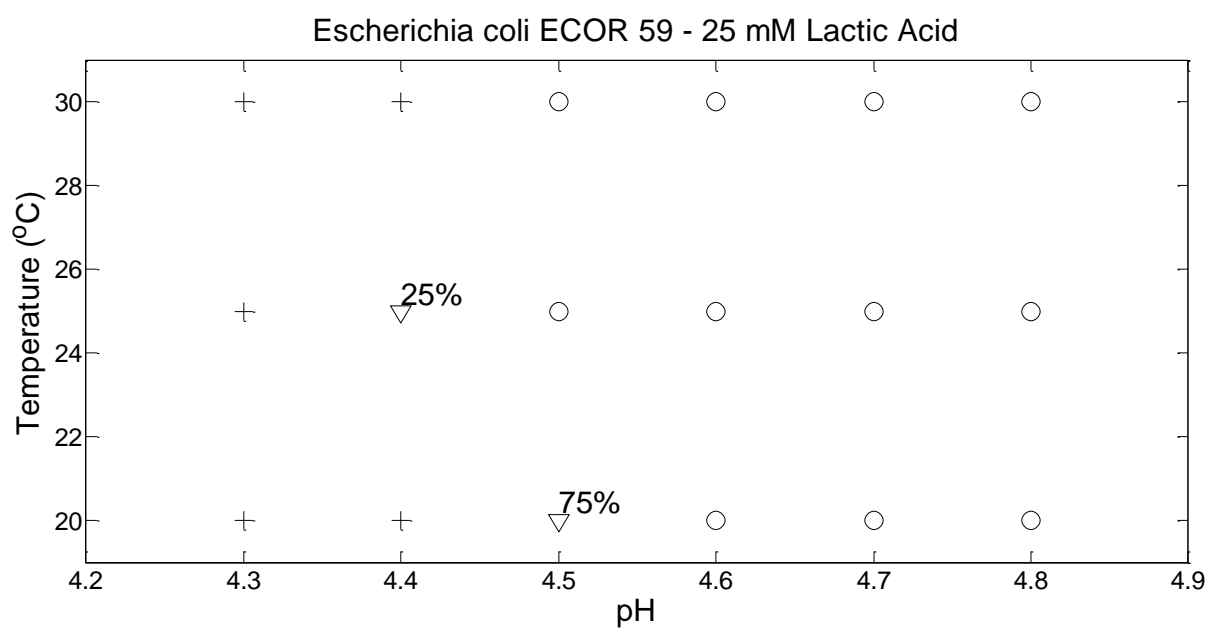
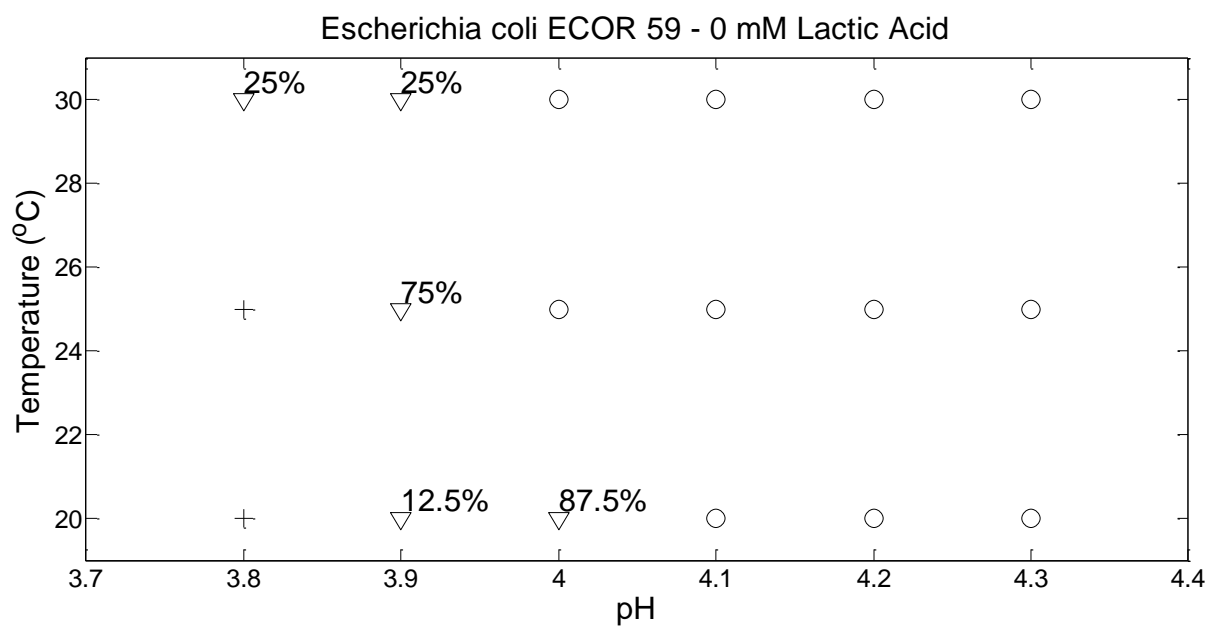


Escherichia coli ECOR 59 - 0 mM Lactic Acid



Escherichia coli ECOR 59 - 25 mM Lactic Acid







**69. *E.coli* ECOR 65**

**O H**  
N 10

**Host**  
celebese ape

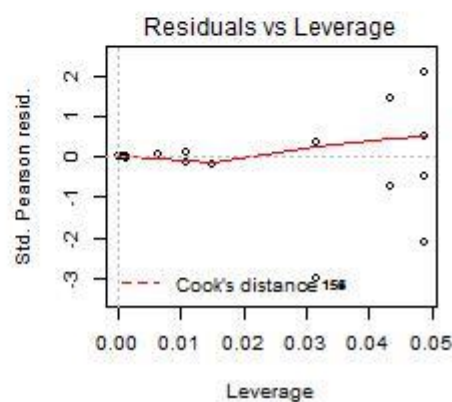
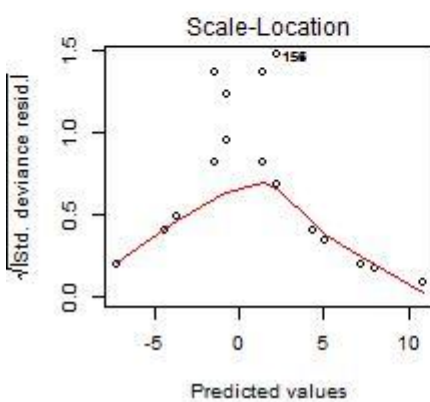
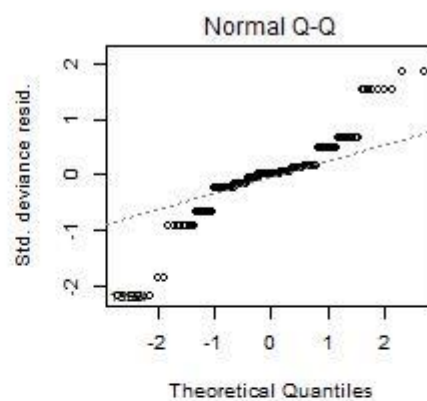
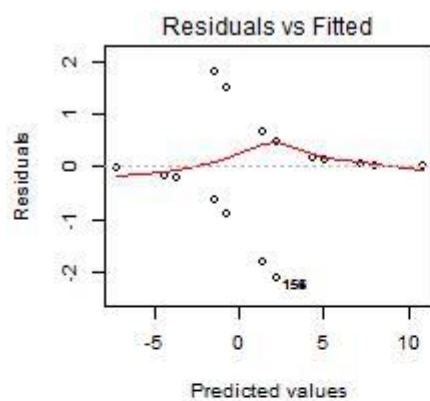
**Locale**  
USA

**Notes**  
Group B2 strain from a healthy celebese ape in captivity

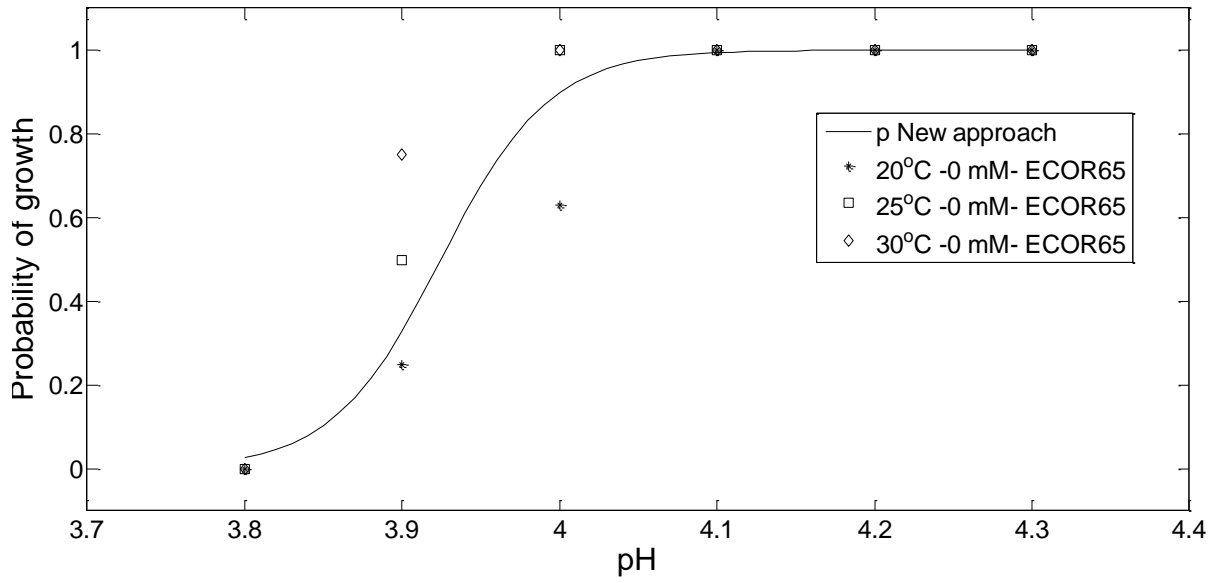
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-113.54	20.50	-5.54	0.00	-160.46	-79.12	0.00	0.00	0.00
pH	28.93	5.23	5.54	0.00	20.16	40.90	3.67E+12	5.71E+08	5.81E+17
LA	-0.72	0.13	-5.41	0.00	-1.03	-0.50	0.48	0.36	0.61

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	211.21	
pH	1	12.83	154	198.38	0.00
LA	1	135.73	153	62.65	0.00

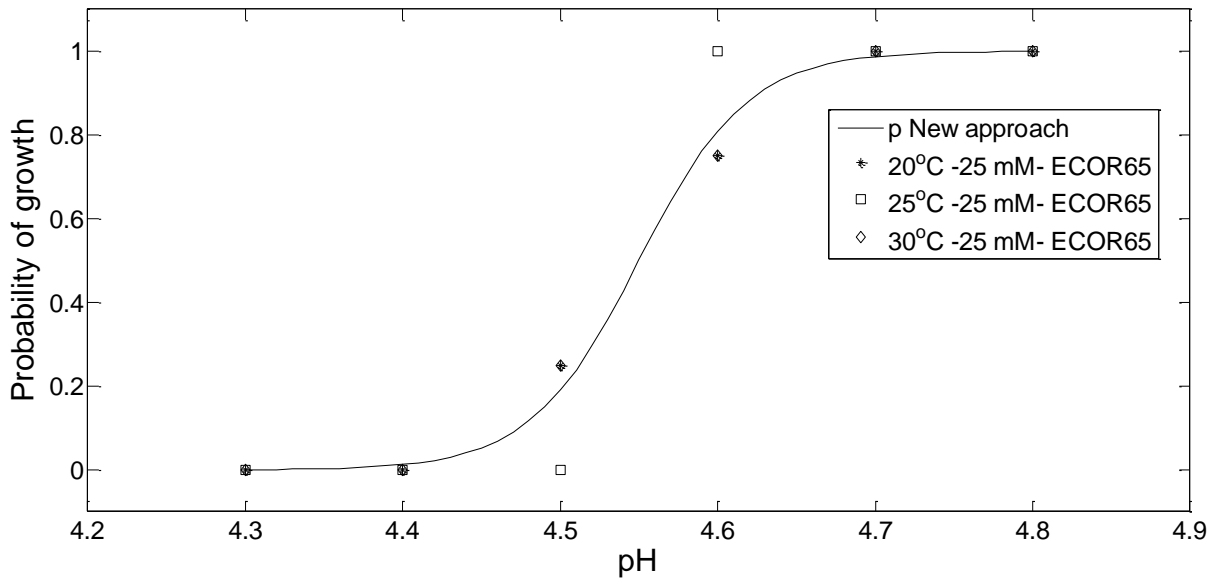
<b>AIC</b>	68.65
<b>Likelihood Ratio</b>	5.49E-33
<b>Log-Likelihood</b>	-31.32

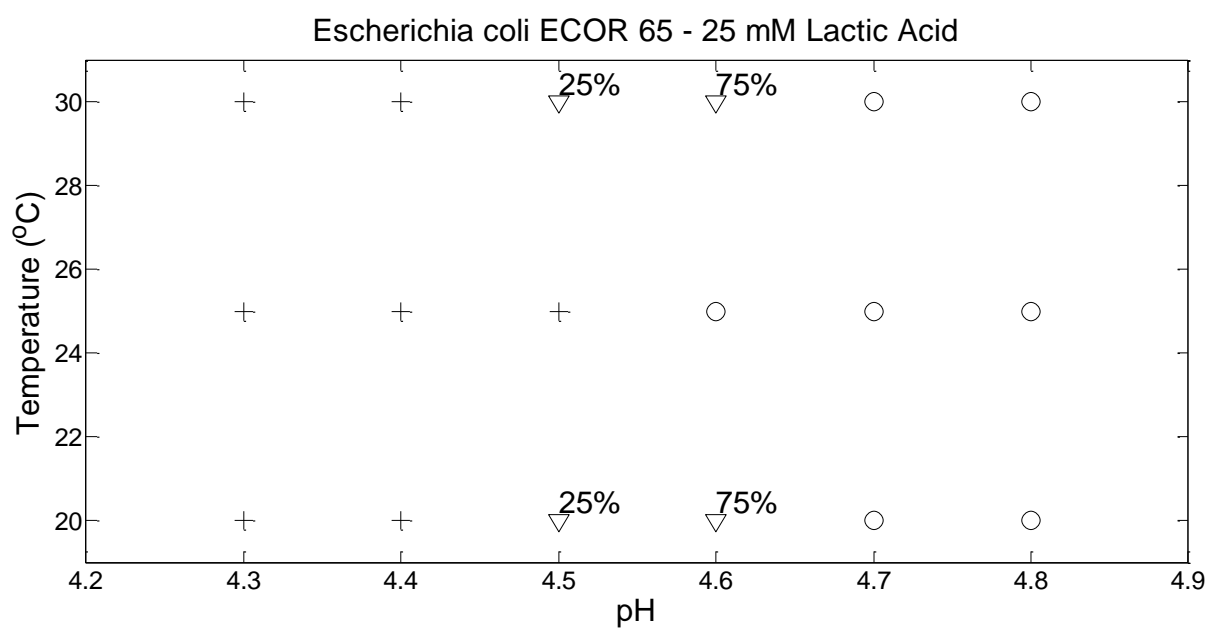
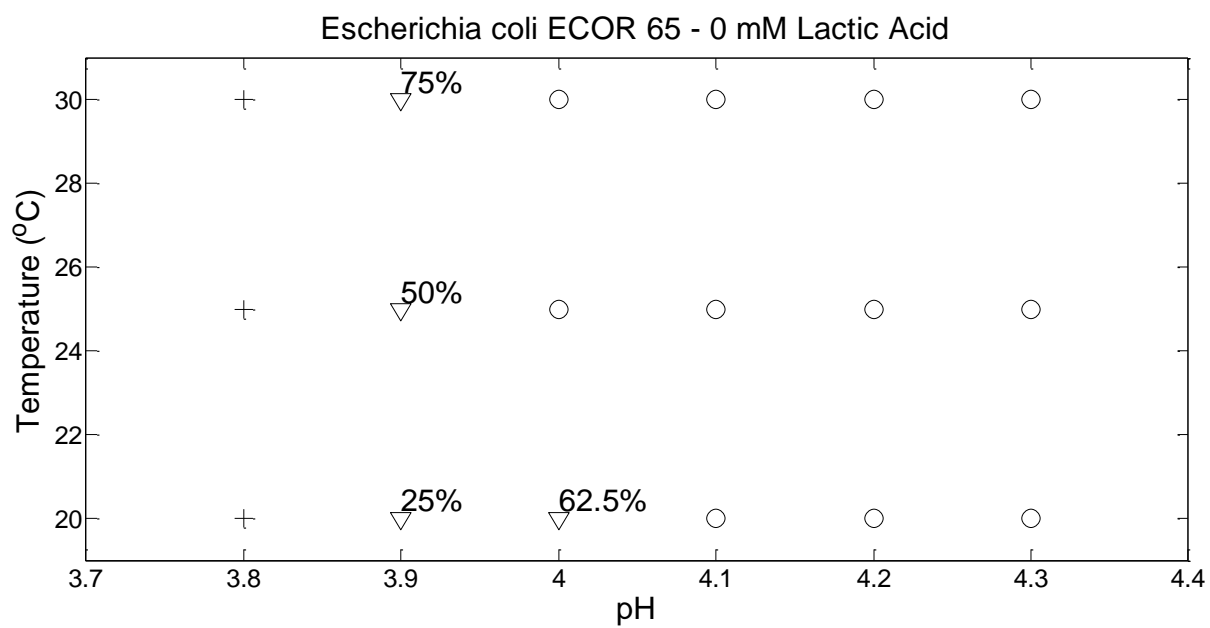


Escherichia coli ECOR 65 - 0 mM Lactic Acid



Escherichia coli ECOR 65 - 25 mM Lactic Acid









**70. *E.coli* ECOR 70**

**O H**  
78 NM

**Host**  
gorila

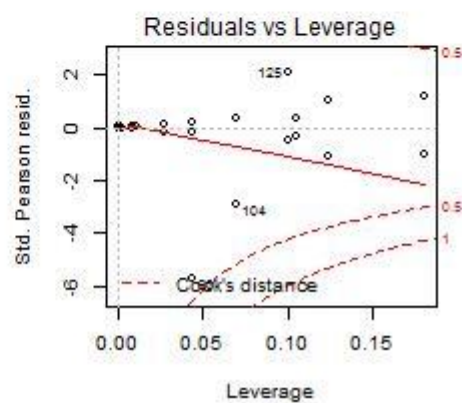
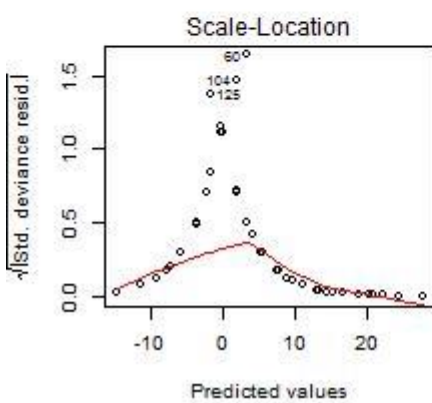
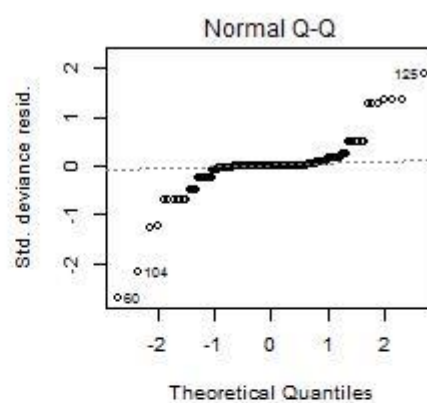
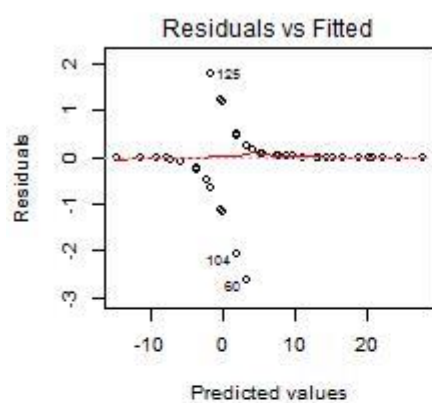
**Locale**  
USA

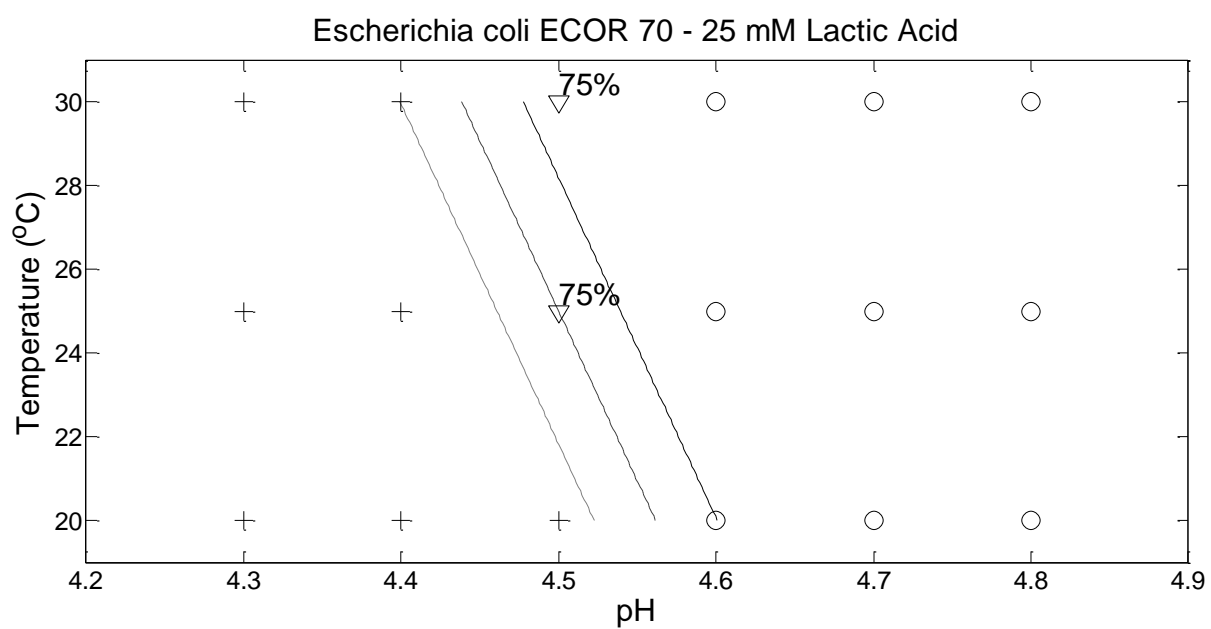
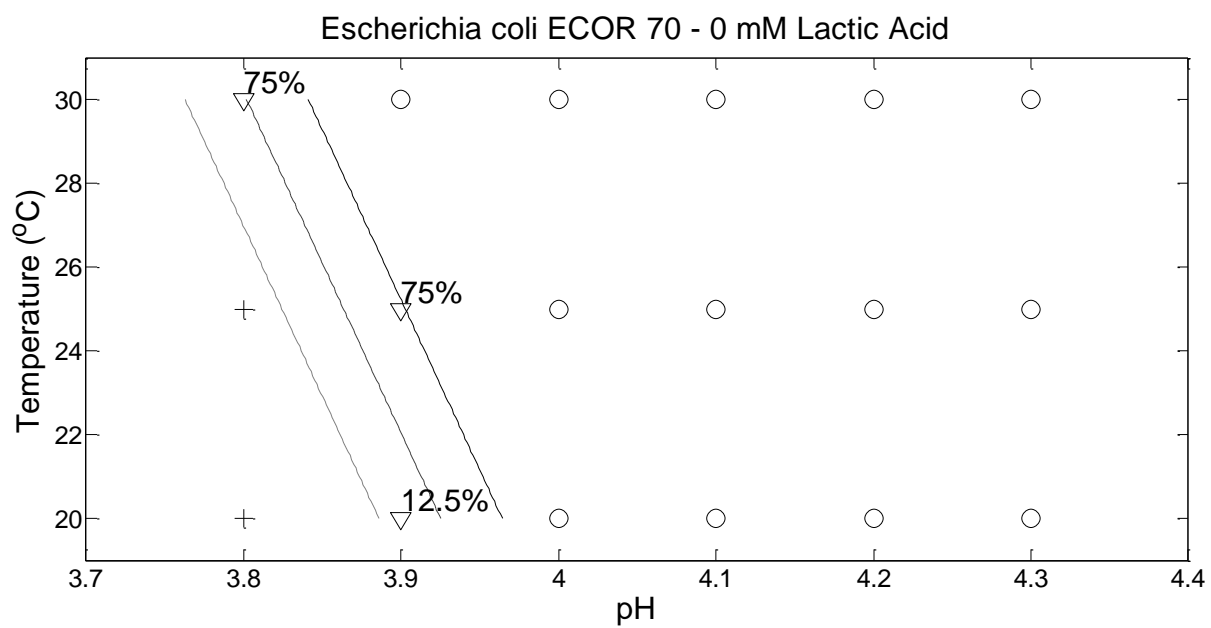
**Notes**  
Group B1 strain from a healthy gorilla in captivity

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-234.11	58.79	-3.98	0.00	-383.98	-143.41	0.00	0.00	0.00
pH	56.12	14.13	3.97	0.00	34.36	92.31	2.37E+24	8.33E+14	1.23E+40
LA	-1.43	0.36	-3.92	0.00	-2.37	-0.87	0.24	0.09	0.42
Temp	0.69	0.20	3.45	0.00	0.36	1.17	2.00	1.44	3.22

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	197.18	
pH	1	10.23	154	186.95	0.00
LA	1	126.19	153	60.76	0.00
Temp	1	28.31	152	32.44	0.00

<b>AIC</b>	40.44
<b>Likelihood Ratio</b>	1.74E-35
<b>Log-Likelihood</b>	-16.22



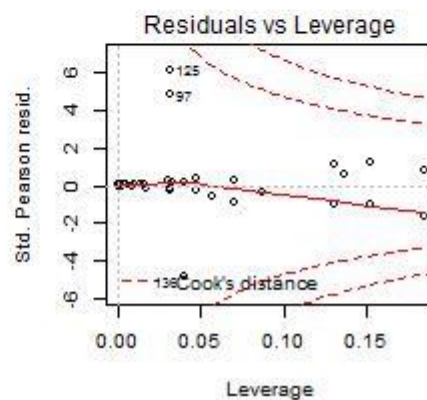
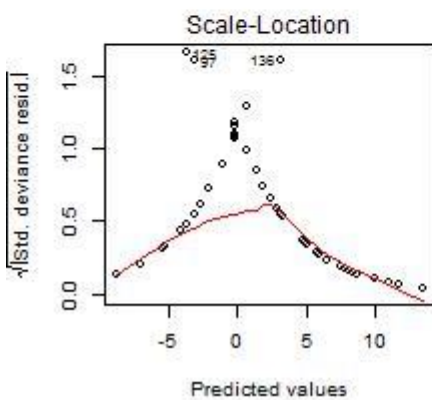
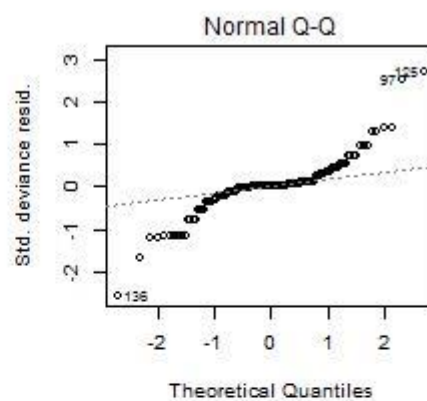
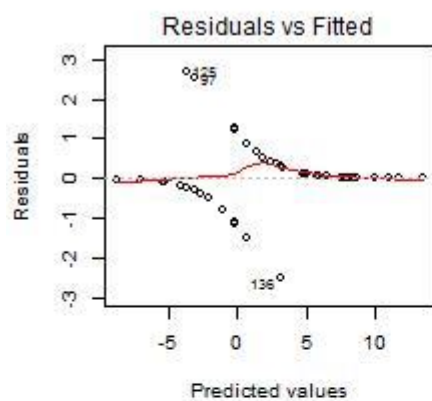


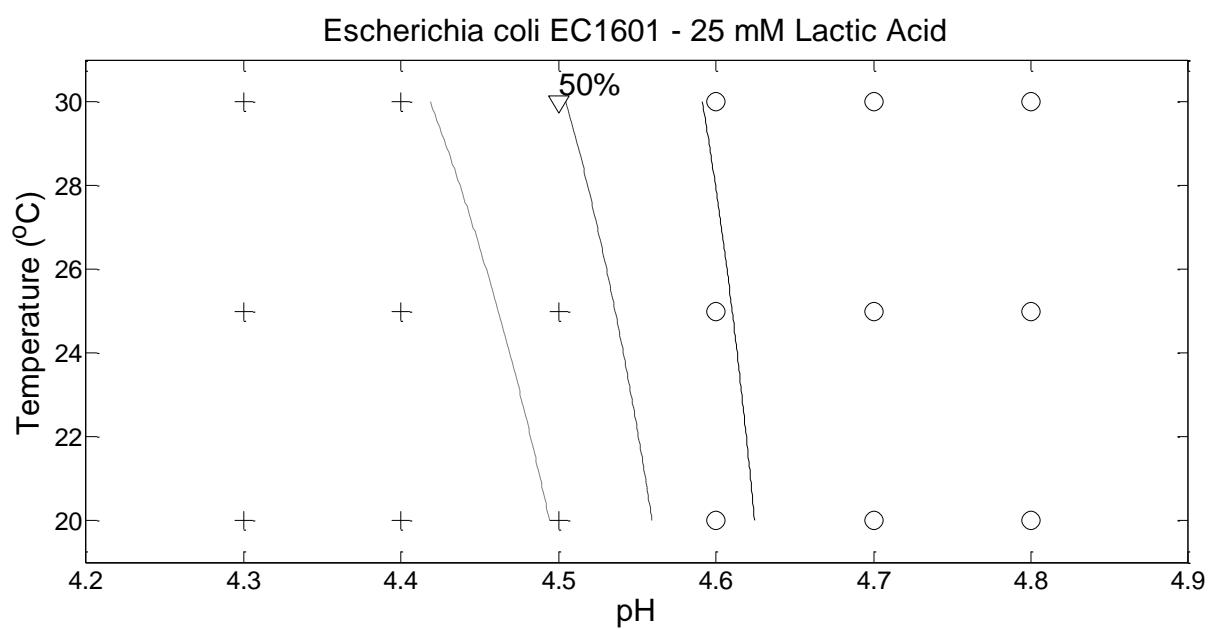
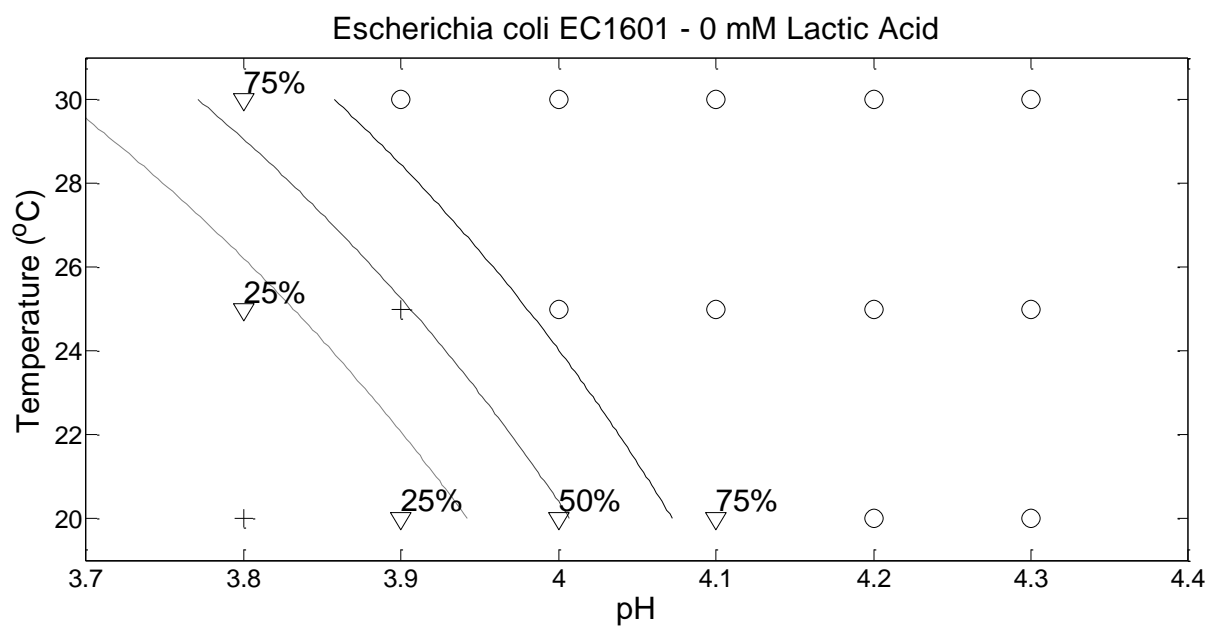
71. *E. coli* EC1601 CNF 1, 678Ci (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-214.15	50.59	-4.23	0.00	-330.41	-128.54	0.00	0.00	0.00
pH	50.45	11.93	4.23	0.00	30.28	77.96	8.14E+21	1.41E+13	7.17E+33
LA	-0.75	0.16	-4.71	0.00	-1.13	-0.49	0.47	0.32	0.61
Temp	3.94	1.37	2.88	0.00	1.48	6.95	51.67	4.40	1042.95
pH:Temp	-0.83	0.31	-2.66	0.01	-1.52	-0.27	0.43	0.22	0.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	188.37	
pH	1	6.46	142	181.91	0.01
LA	1	105.67	141	76.24	0.00
Temp	1	17.36	140	58.88	0.00
pH:Temp	1	8.75	139	50.13	0.00

<b>AIC</b>	60.13
<b>Likelihood Ratio</b>	6.72E-29
<b>Log-Likelihood</b>	-25.06



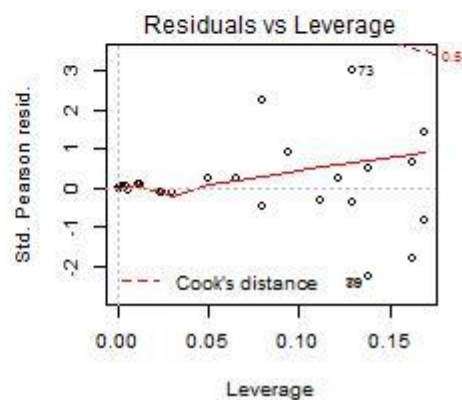
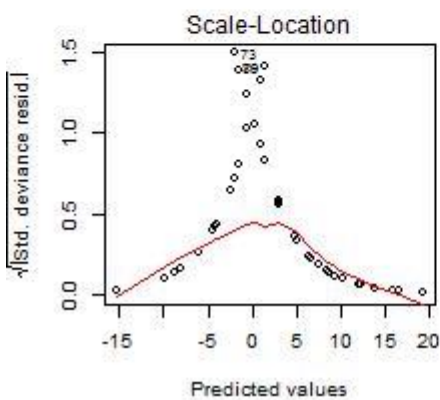
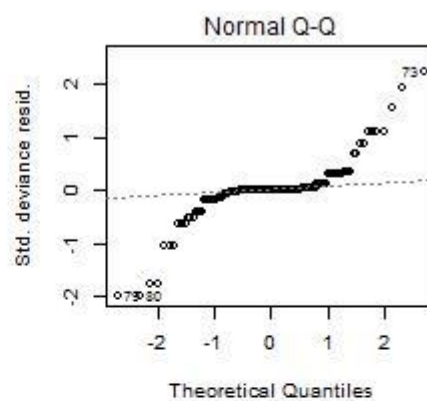
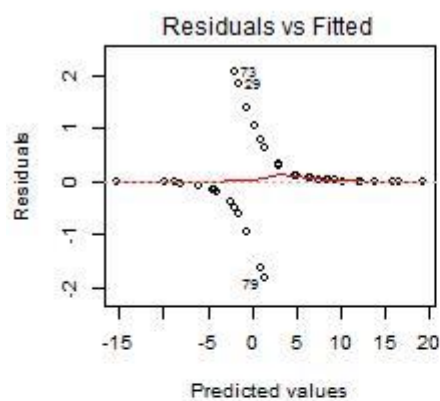


72. *E. coli* EC1602 CNF 1, 7d (Prof. J. Mainil (Ulg, Liège, Belgium))

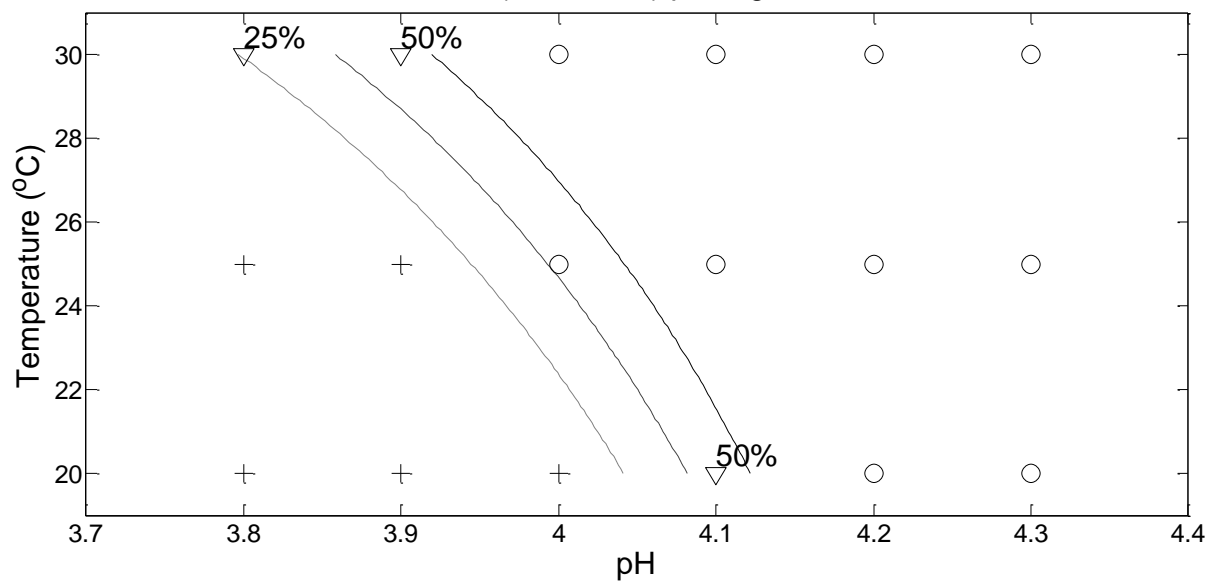
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-392.19	112.83	-3.48	0.00	-689.83	-217.79	0.00	0.00	0.00
pH	92.17	26.56	3.47	0.00	51.14	162.37	1.07E+40	1.62E+22	3.27E+70
LA	-0.80	0.19	-4.21	0.00	-1.27	-0.50	0.45	0.28	0.61
Temp	8.47	3.03	2.79	0.01	3.63	16.32	4.77E+03	3.77E+01	1.22E+07
pH:Temp	-1.88	0.70	-2.69	0.01	-3.68	-0.76	0.15	0.03	0.47

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	38.11	142	146.56	0.00
LA	1	80.40	141	66.15	0.00
Temp	1	17.01	140	49.15	0.00
pH:Temp	1	13.83	139	35.32	0.00

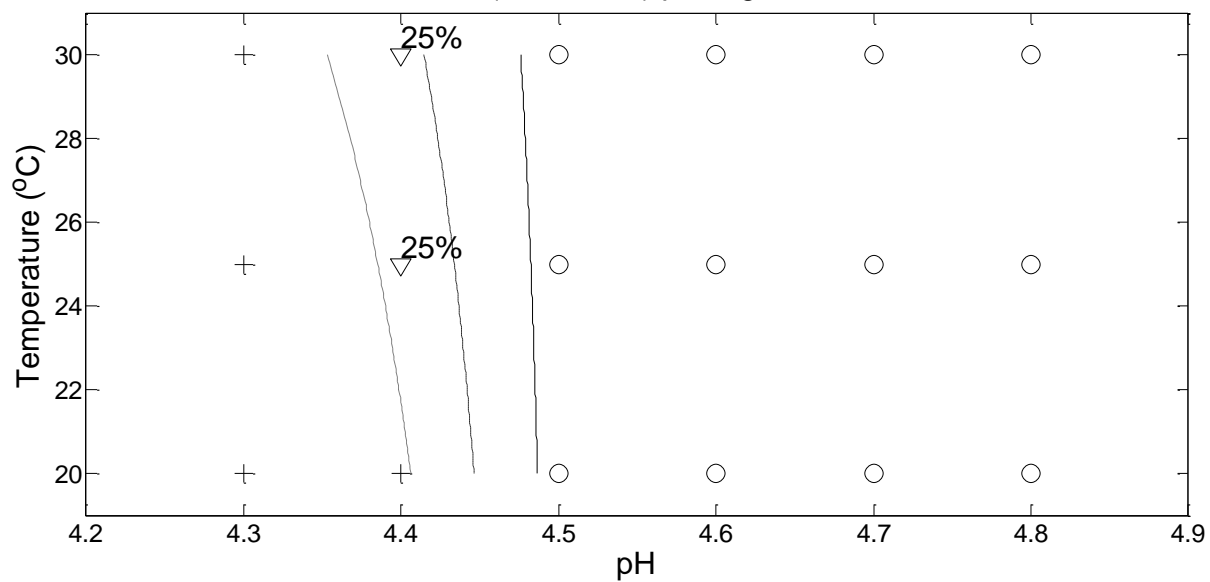
<b>AIC</b>	45.32
<b>Likelihood Ratio</b>	2.8E-31
<b>Log-Likelihood</b>	-17.66



Escherichia coli 1602(CNF 1, 7d) pathogen - 0 mM Lactic Acid



Escherichia coli 1602(CNF 1, 7d) pathogen - 25 mM Lactic Acid

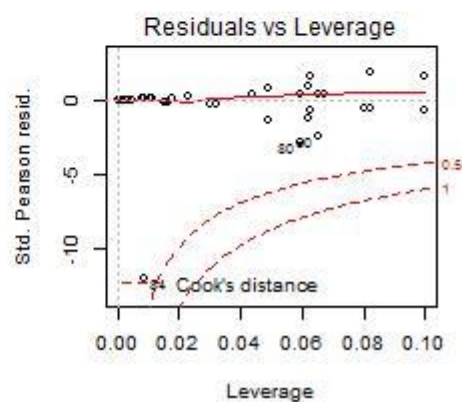
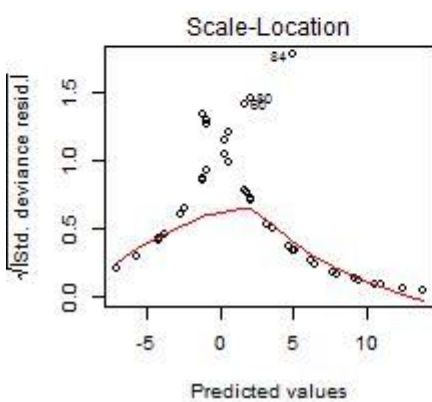
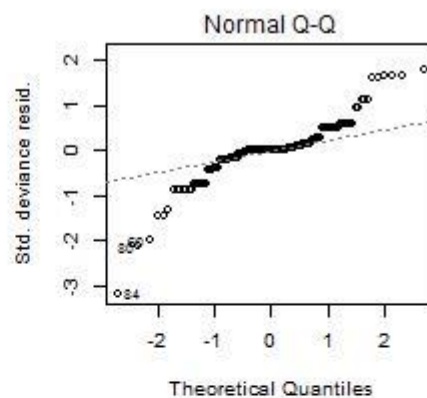
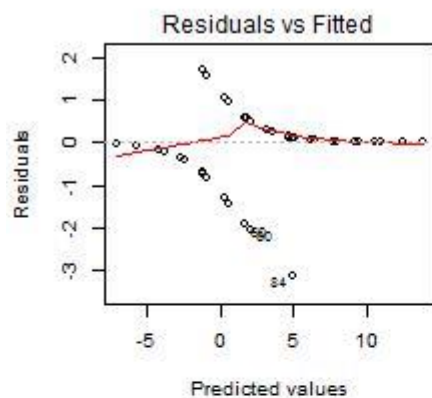


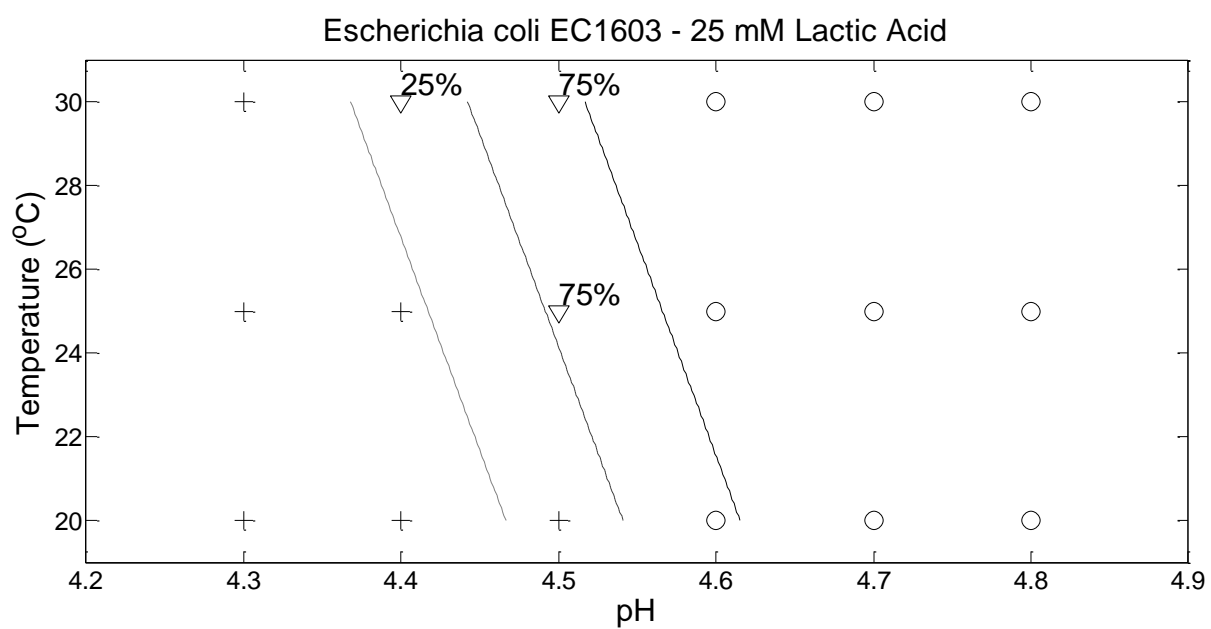
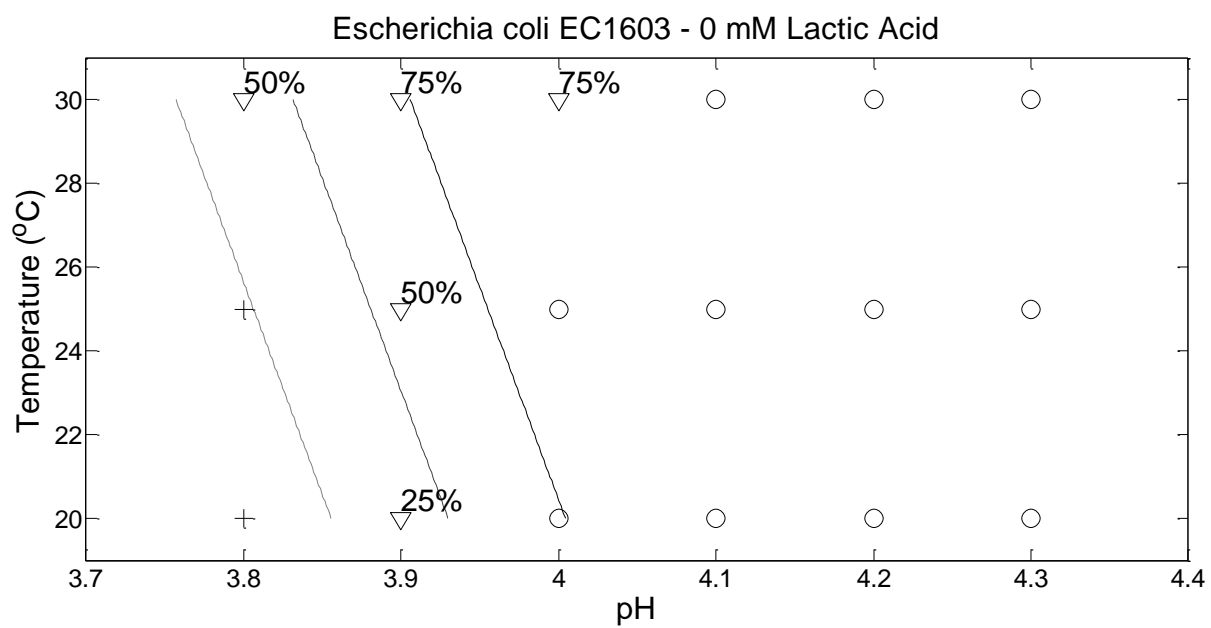
73. *E. coli* EC1603 CNF 1, 48KH88 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-121.88	23.00	-5.30	0.00	-174.72	-83.43	0.00	0.00	0.00
pH	29.53	5.57	5.30	0.00	20.21	42.34	6.69E+12	6.00E+08	2.45E+18
LA	-0.72	0.14	-5.22	0.00	-1.04	-0.49	0.49	0.35	0.61
Temp	0.29	0.10	3.05	0.00	0.12	0.50	1.34	1.13	1.65

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	198.59	
pH	1	13.13	154	185.46	0.00
LA	1	112.70	153	72.76	0.00
Temp	1	12.24	152	60.51	0.00

<b>AIC</b>	68.51
<b>Likelihood Ratio</b>	9.82E-30
<b>Log-Likelihood</b>	-30.26





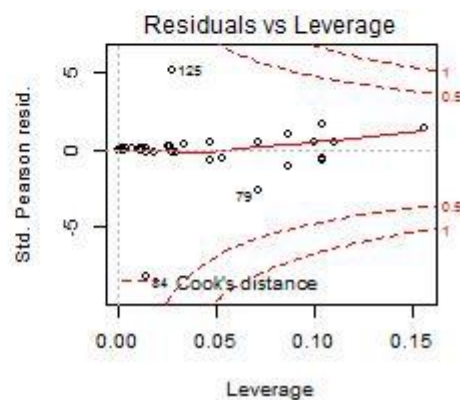
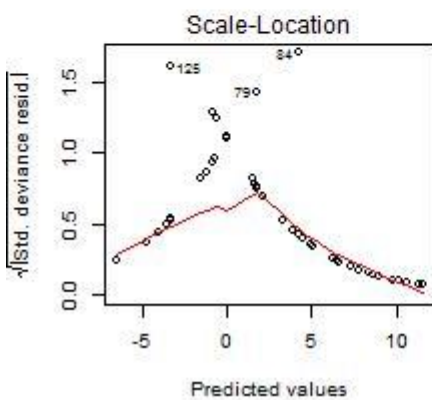
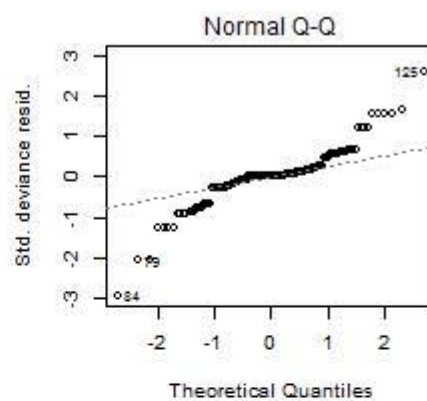
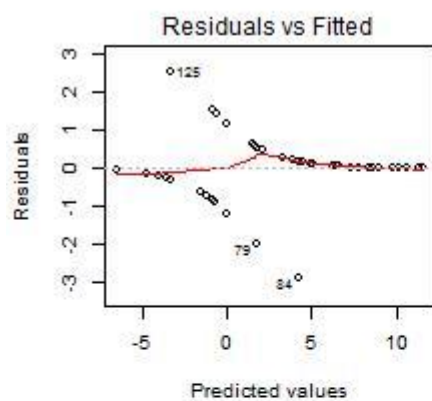


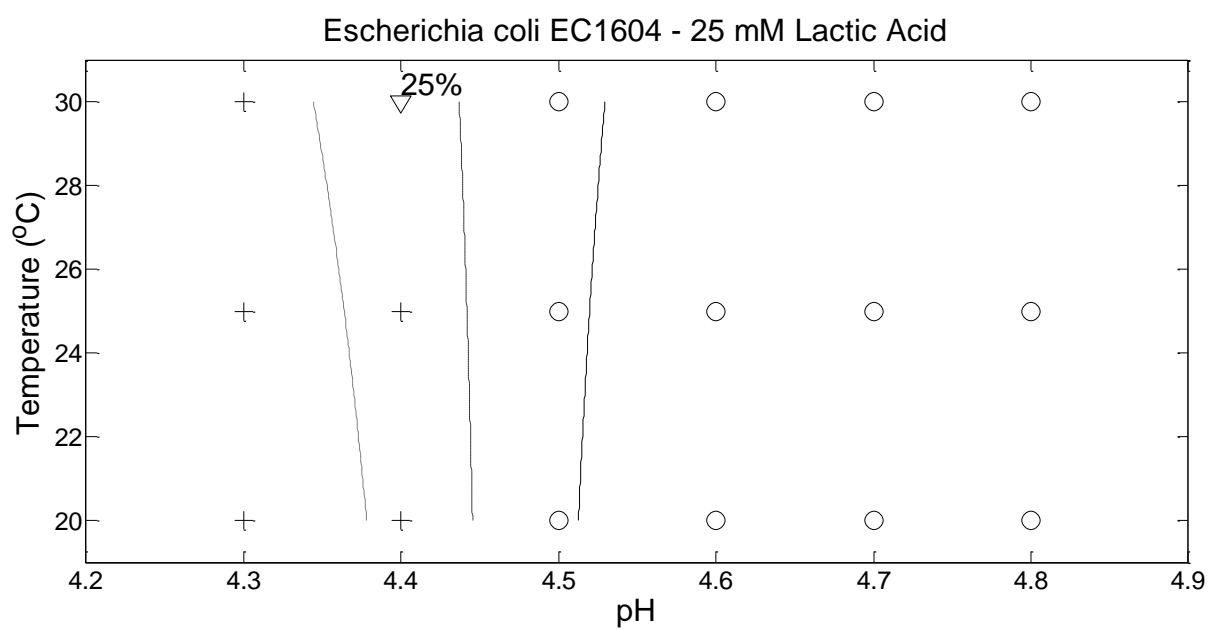
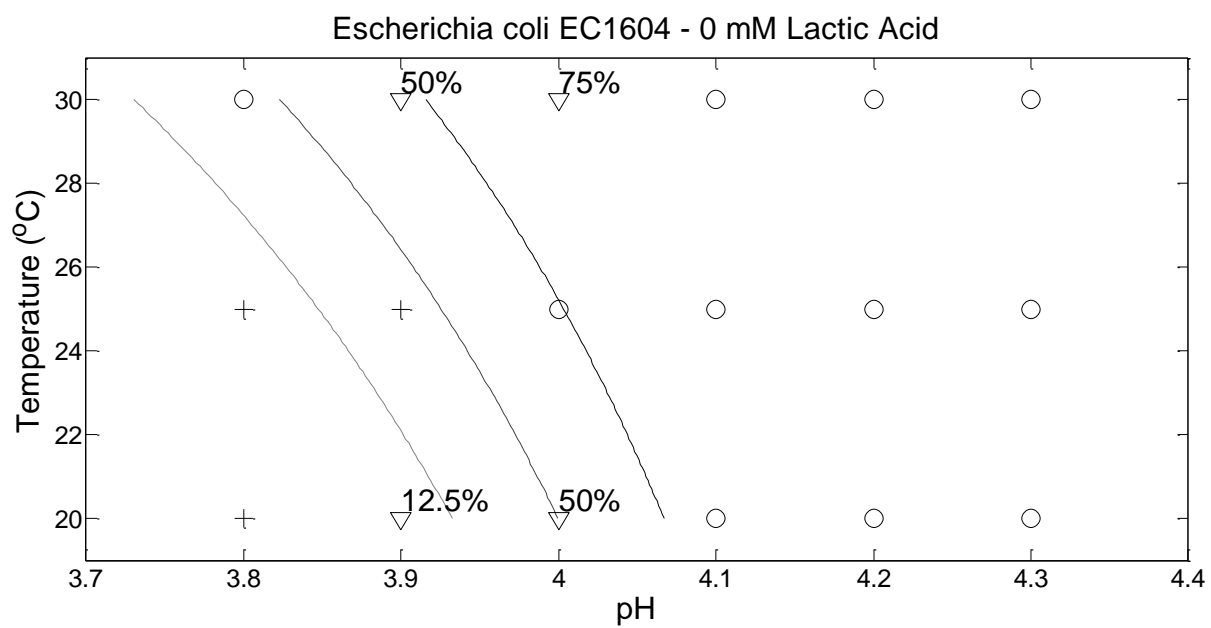
**74. *E. coli* EC1604 CNF 1, 6KH90 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-210.72	49.66	-4.24	0.00	-325.12	-126.28	0.00	0.00	0.00
pH	50.59	11.97	4.23	0.00	30.26	78.20	9.33E+21	1.38E+13	9.13E+33
LA	-0.58	0.12	-5.04	0.00	-0.85	-0.39	0.56	0.43	0.68
Temp	4.00	1.42	2.83	0.00	1.44	7.10	54.66	4.22	1215.44
pH:Temp	-0.90	0.34	-2.67	0.01	-1.63	-0.29	0.41	0.20	0.75

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	199.95	
pH	1	32.16	154	167.79	0.00
LA	1	86.16	153	81.63	0.00
Temp	1	11.47	152	70.16	0.00
pH:Temp	1	8.72	151	61.44	0.00

<b>AIC</b>	71.44
<b>Likelihood Ratio</b>	5.87E-29
<b>Log-Likelihood</b>	-30.72



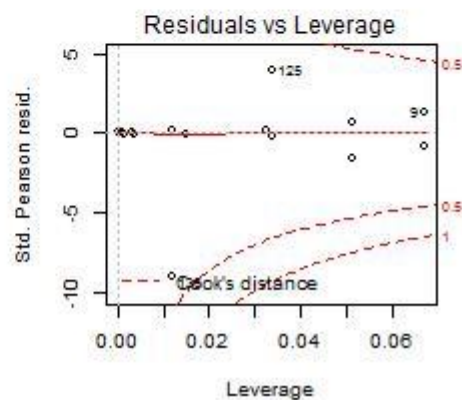
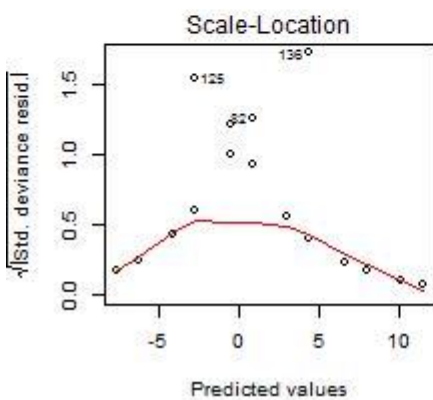
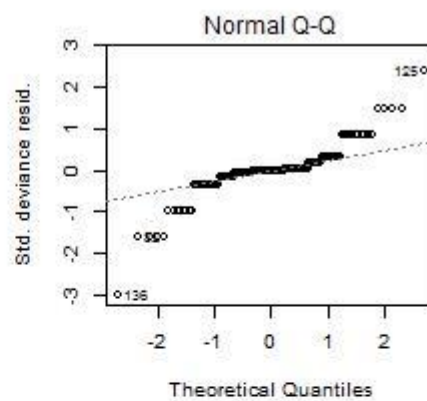
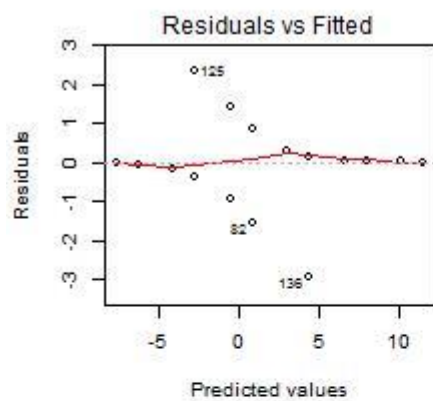


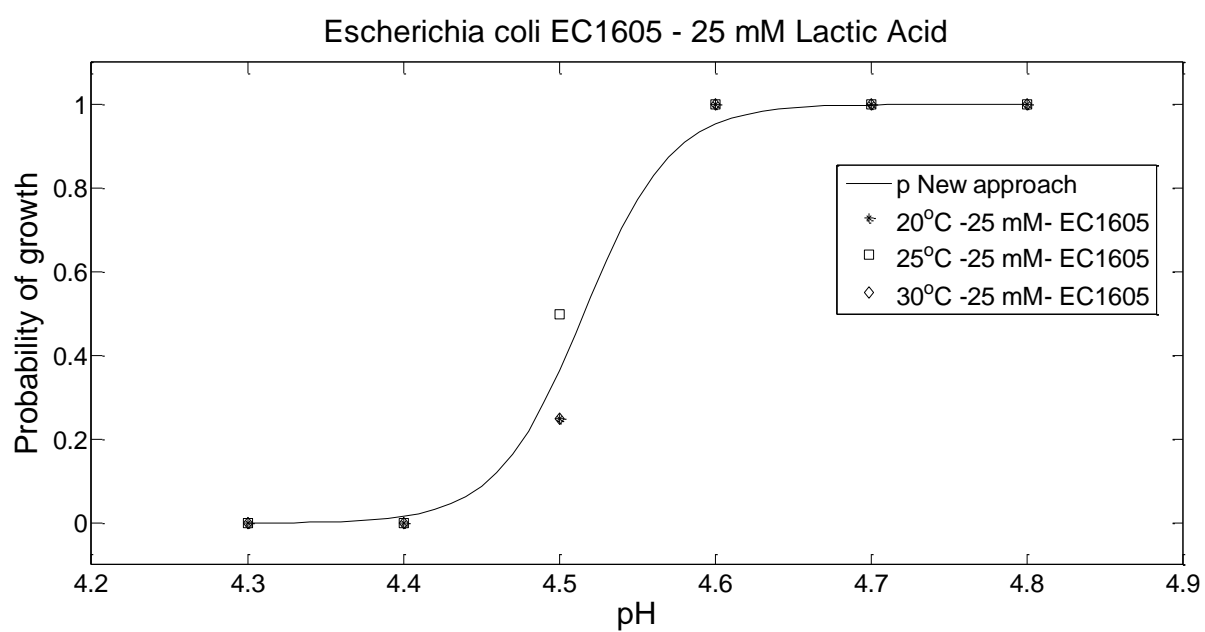
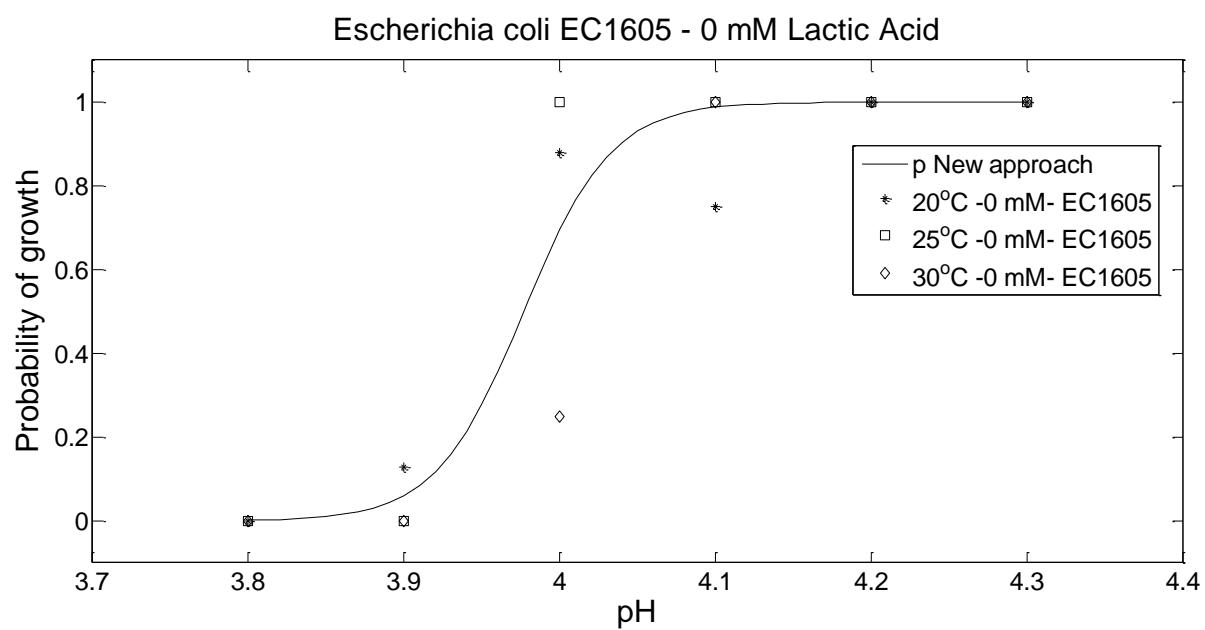
75. *E. coli* EC1605 CNF 1, 13b (Prof. J. Mainil (Ulg, Liège, Belgium))

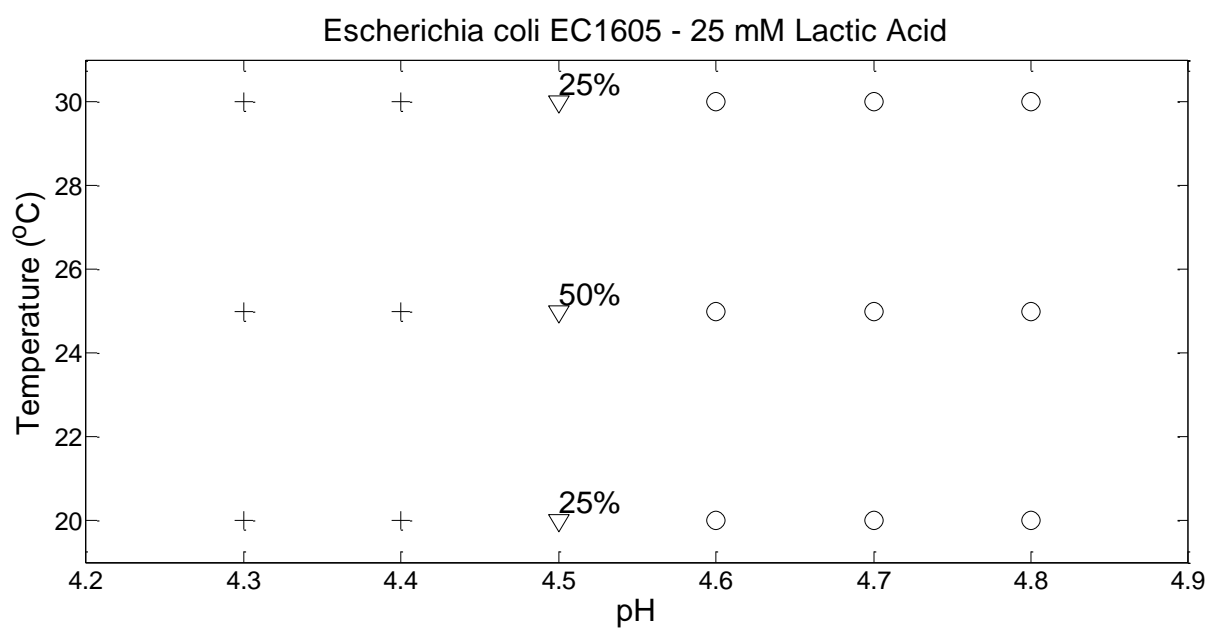
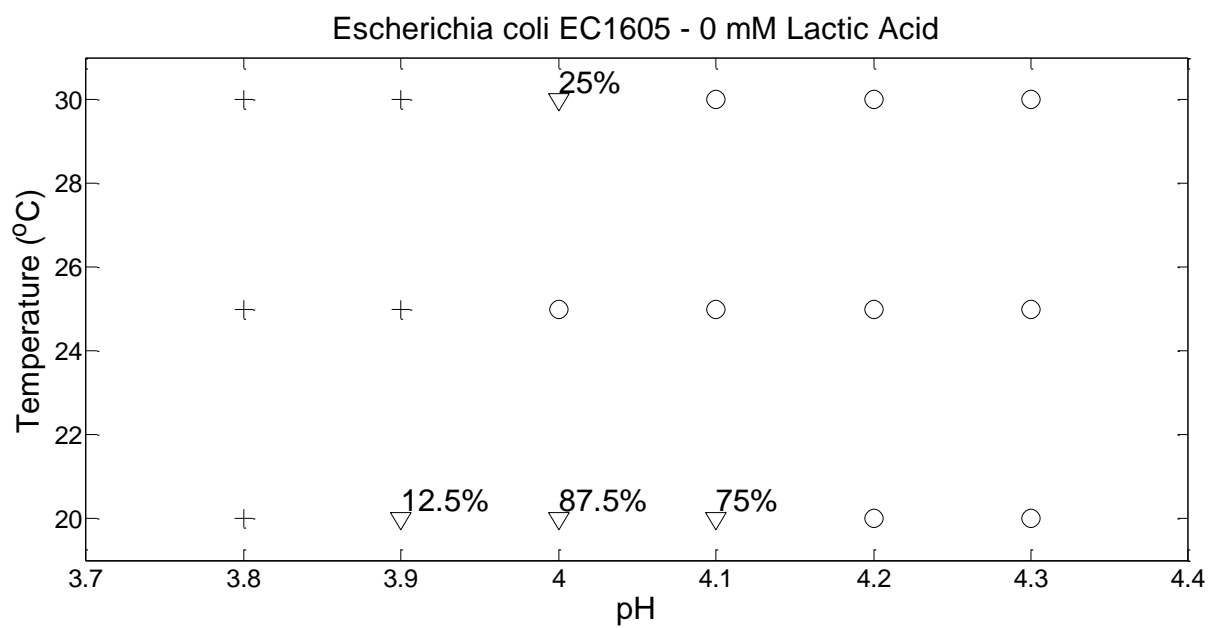
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-141.55	29.41	-4.81	0.00	-215.15	-94.79	0.00	0.00	0.00
pH	35.60	7.39	4.82	0.00	23.84	54.04	2.88E+15	2.26E+10	2.96E+23
LA	-0.77	0.16	-4.83	0.00	-1.15	-0.51	0.46	0.32	0.60

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.69	
pH	1	32.08	154	181.61	0.00
LA	1	129.84	153	51.77	0.00

<b>AIC</b>	57.77
<b>Likelihood Ratio</b>	6.91E-36
<b>Log-Likelihood</b>	-25.88







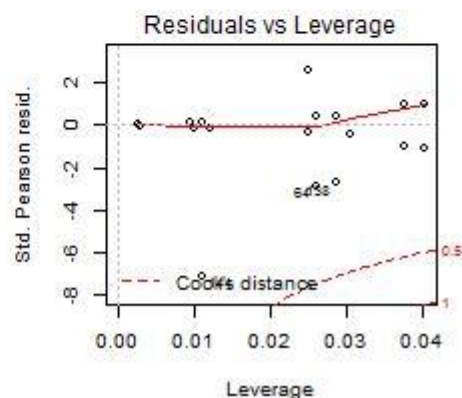
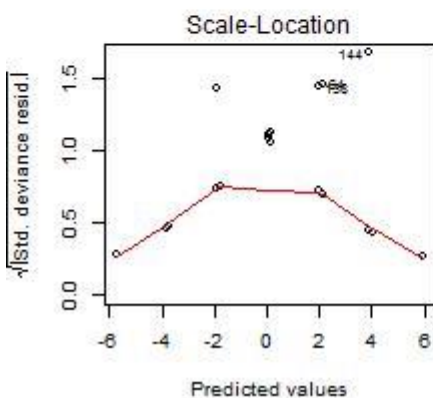
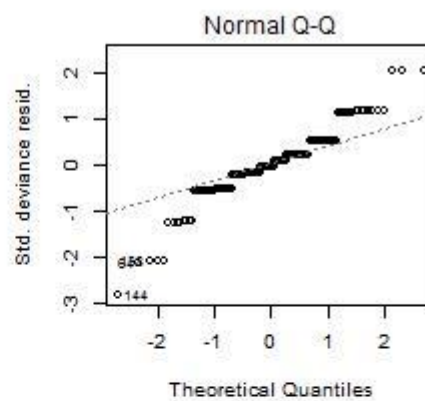
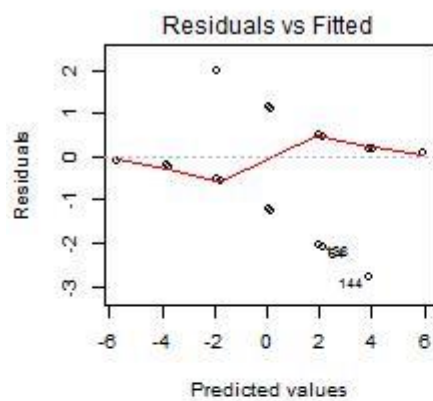


76. *E. coli* EC1606 CNF 1, 28c (Prof. J. Mainil (Ulg, Liège, Belgium))

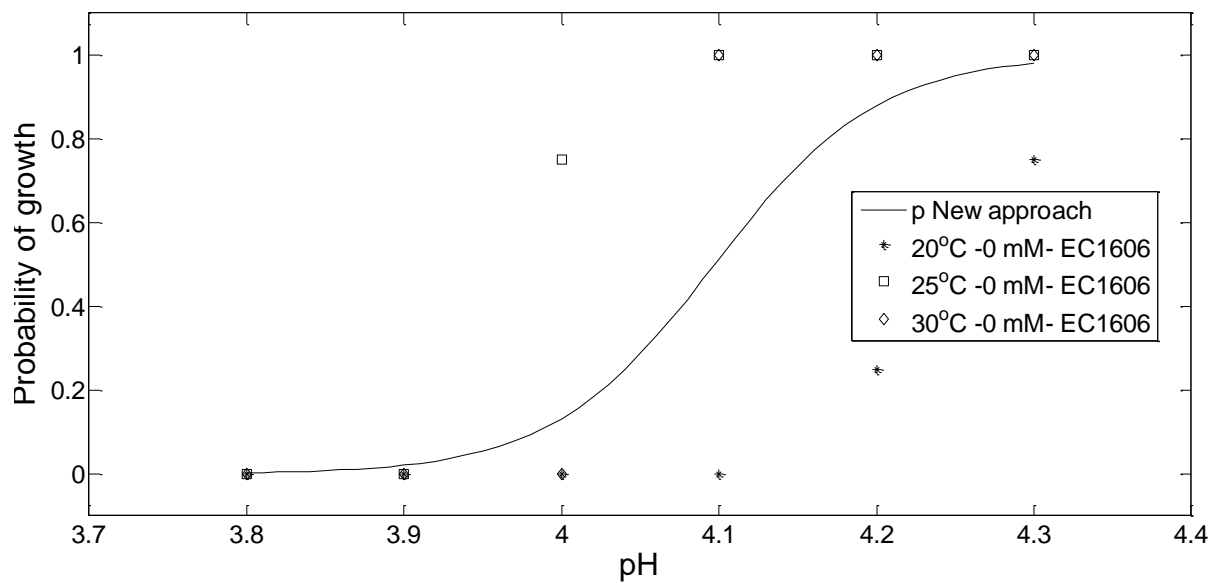
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-79.32	12.60	-6.30	0.00	-107.71	-57.66	0.00	0.00	0.00
pH	19.36	3.08	6.28	0.00	14.06	26.30	2.56E+08	1.28E+06	2.65E+11
LA	-0.31	0.05	-5.55	0.00	-0.43	-0.21	0.74	0.65	0.81

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.85	
pH	1	65.12	154	150.73	0.00
LA	1	66.48	153	84.25	0.00

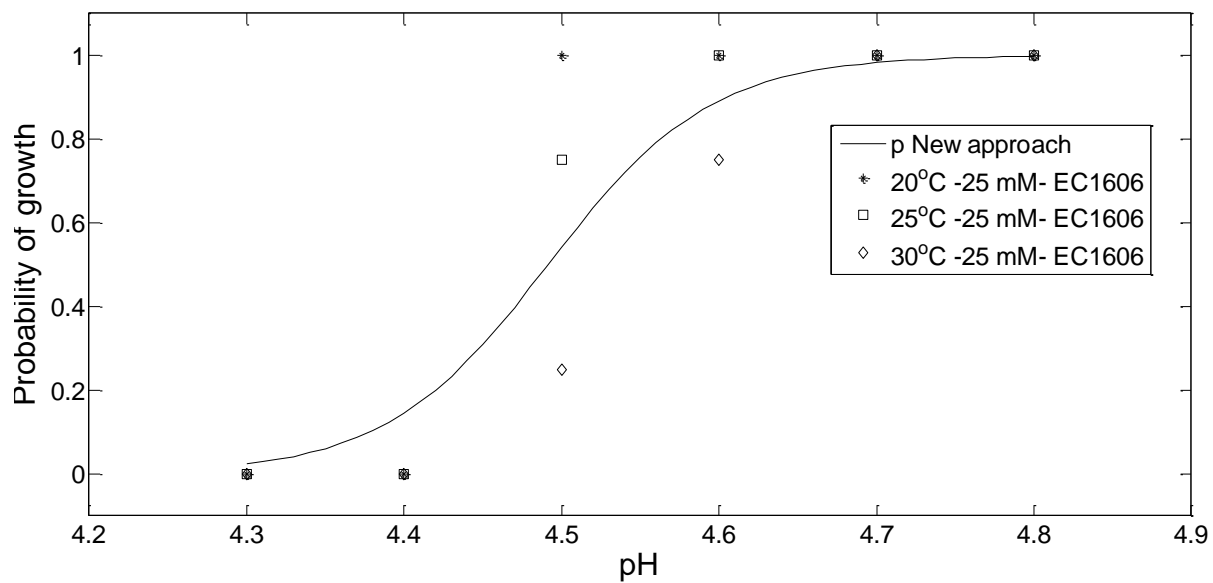
<b>AIC</b>	90.25
<b>Likelihood Ratio</b>	2.65E-29
<b>Log-Likelihood</b>	-42.13



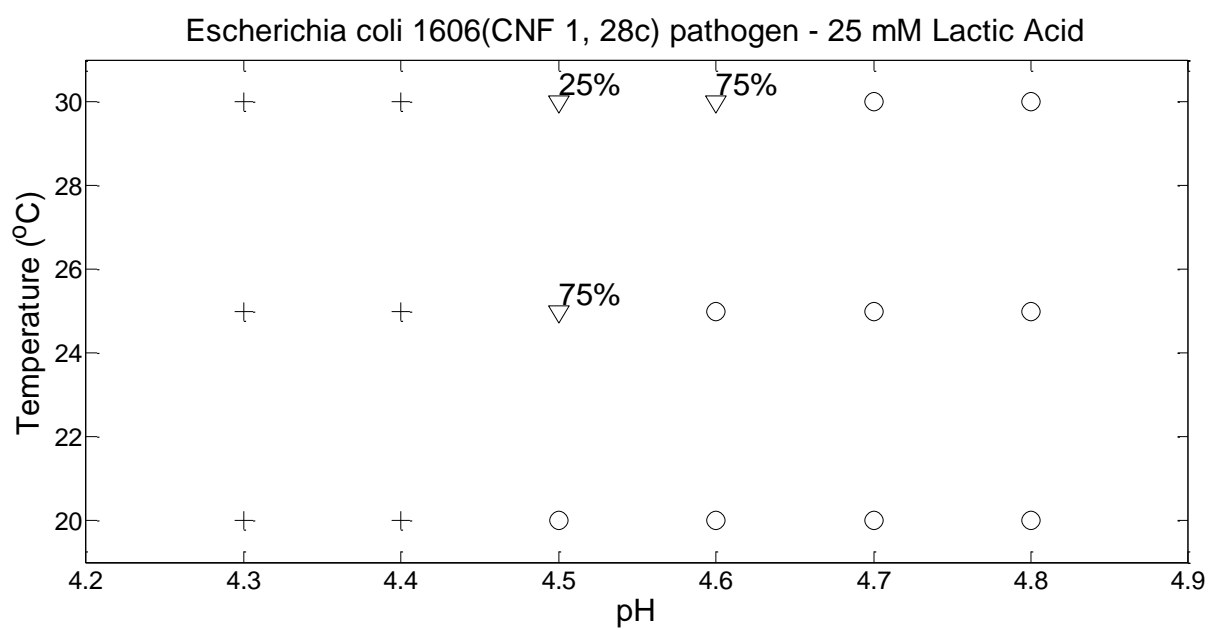
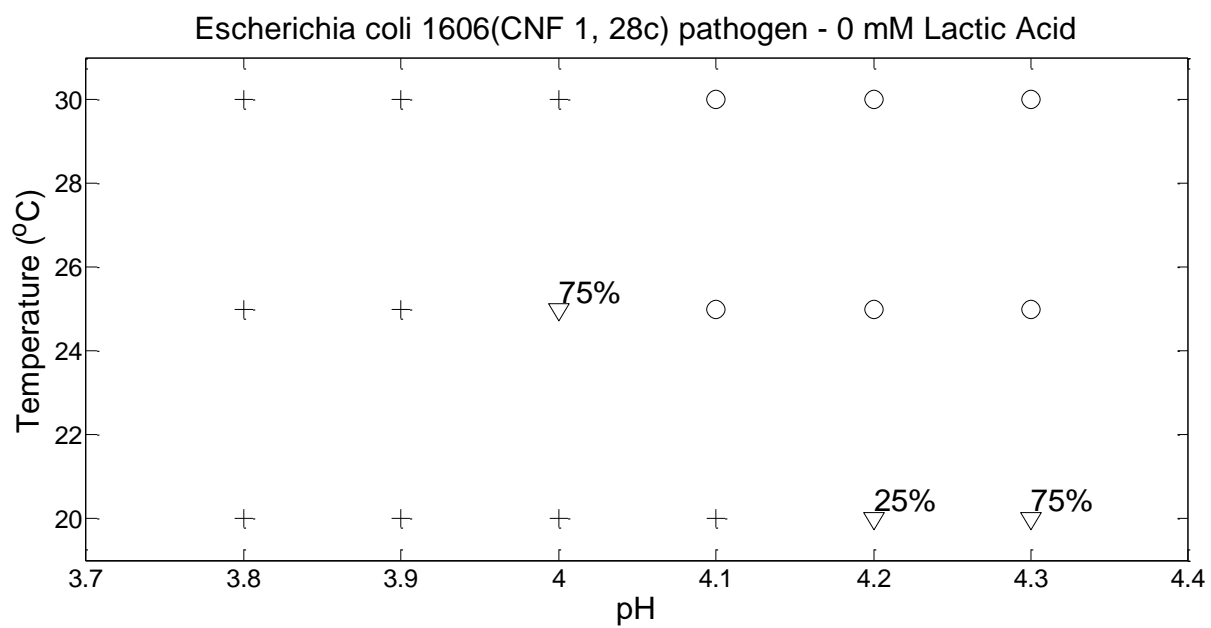
Escherichia coli EC1606 - 0 mM Lactic Acid



Escherichia coli EC1606 - 25 mM Lactic Acid







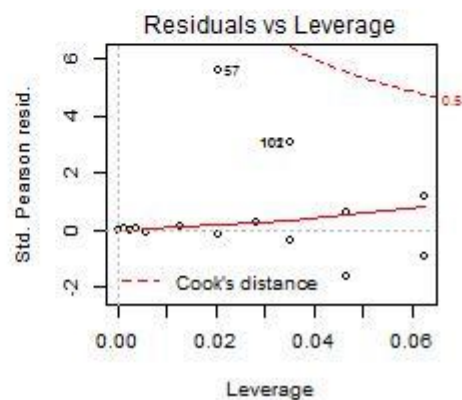
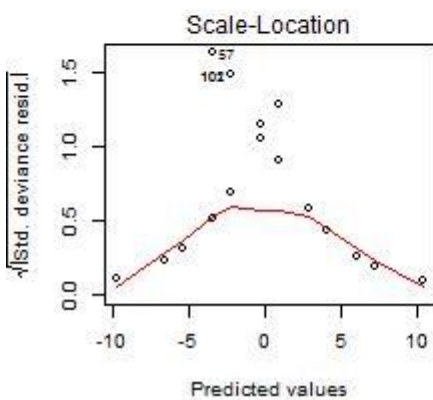
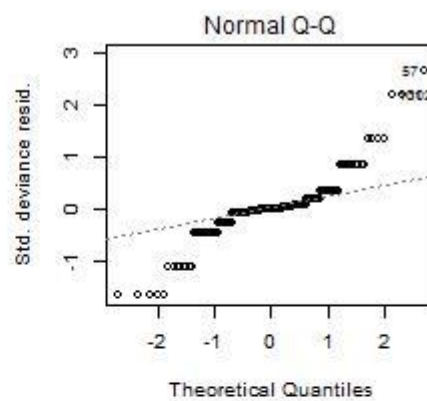
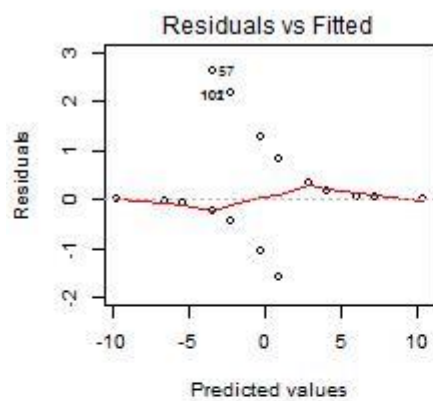


77. *E. coli* EC1607 CNF 1, 559 (Prof. J. Mainil (Ulg, Liège, Belgium))

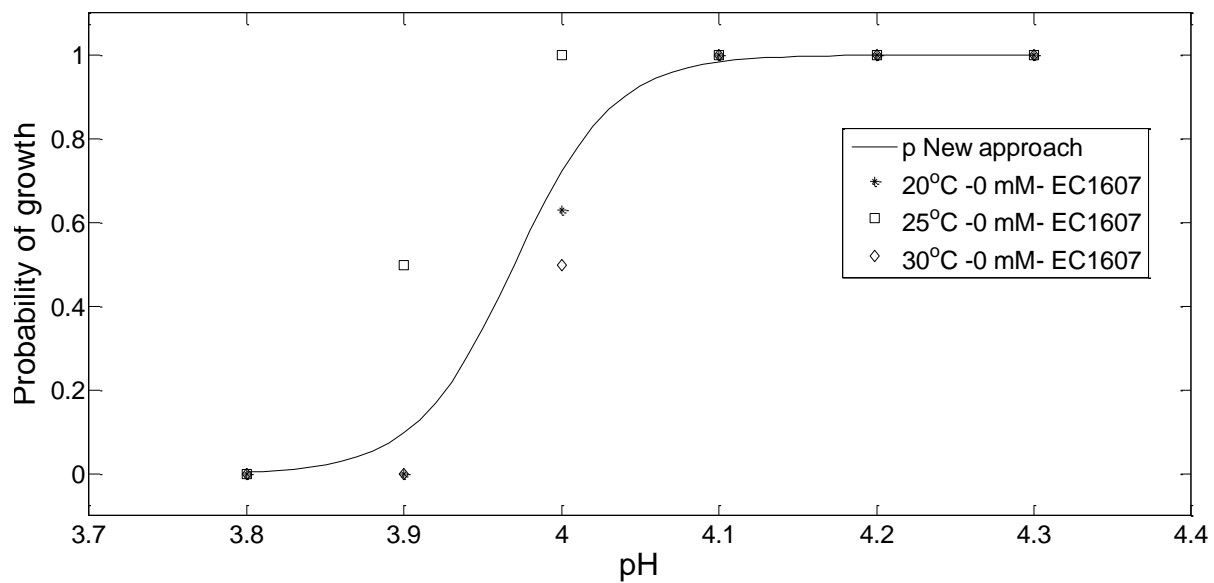
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-126.03	24.35	-5.18	0.00	-184.23	-86.29	0.00	0.00	0.00
pH	31.75	6.13	5.18	0.00	21.74	46.37	6.12E+13	2.75E+09	1.38E+20
LA	-0.81	0.16	-5.14	0.00	-1.18	-0.55	0.44	0.31	0.58

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.26	
pH	1	12.99	154	203.27	0.00
LA	1	145.80	153	57.48	0.00

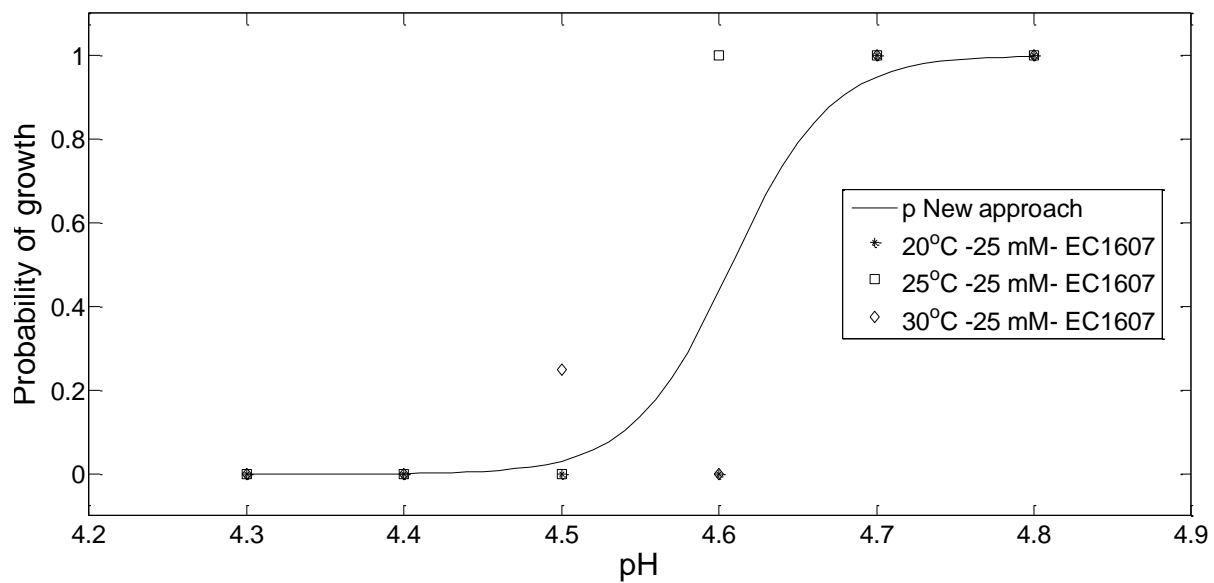
<b>AIC</b>	63.48
<b>Likelihood Ratio</b>	3.31E-35
<b>Log-Likelihood</b>	-28.74

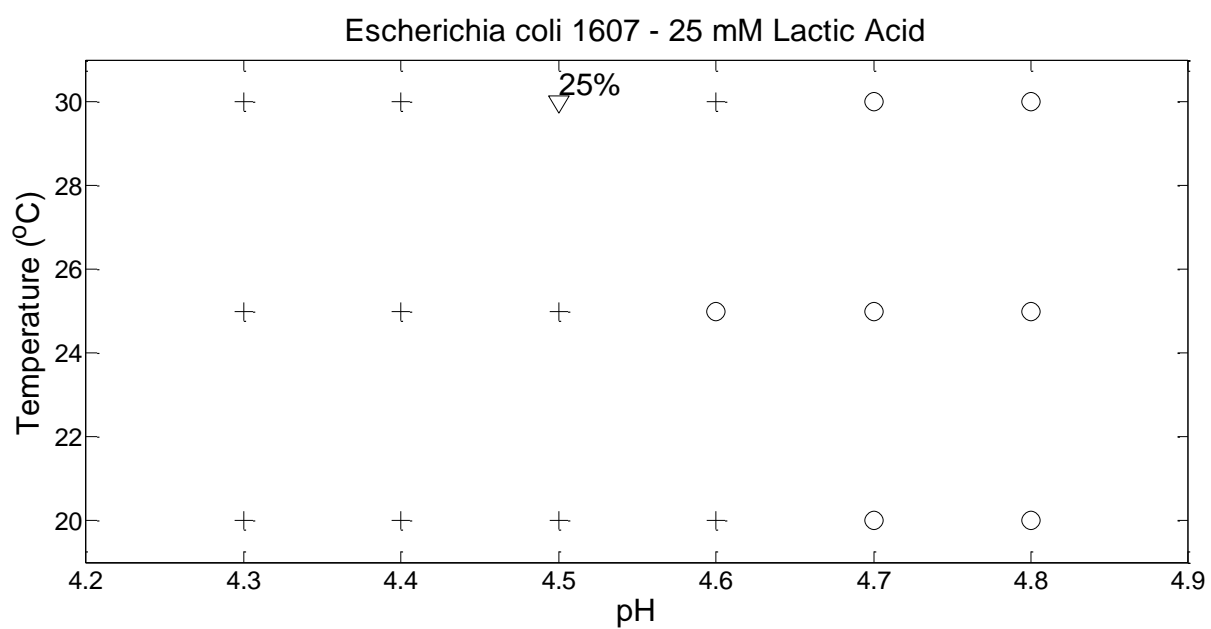
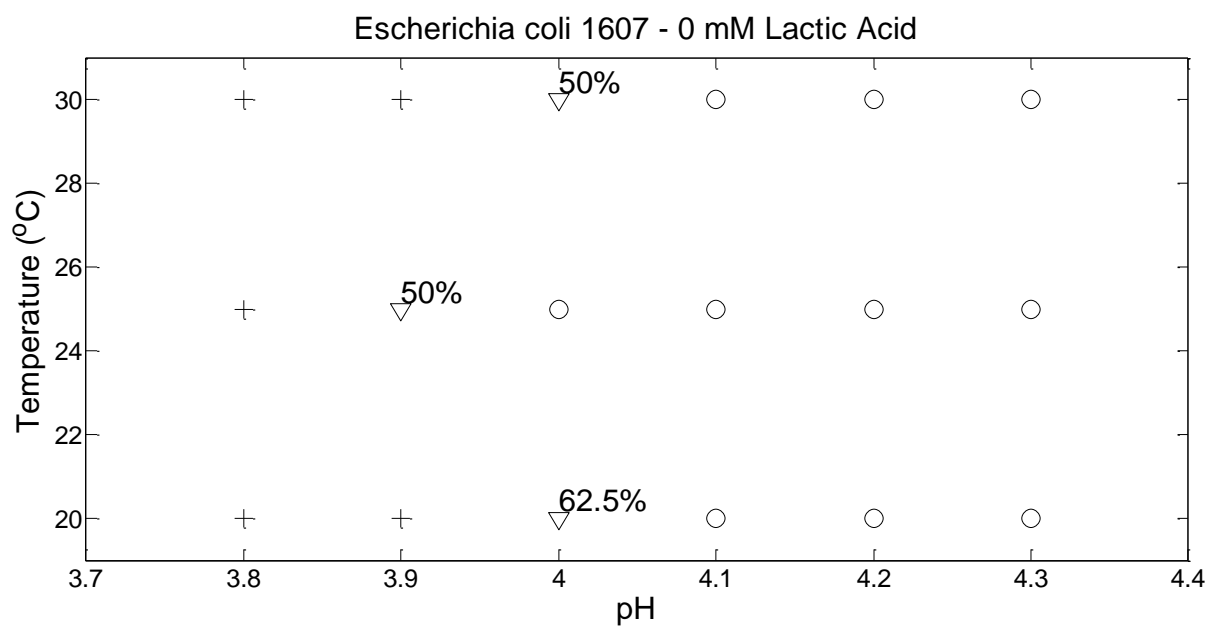


Escherichia coli EC1607 - 0 mM Lactic Acid



Escherichia coli EC1607 - 25 mM Lactic Acid





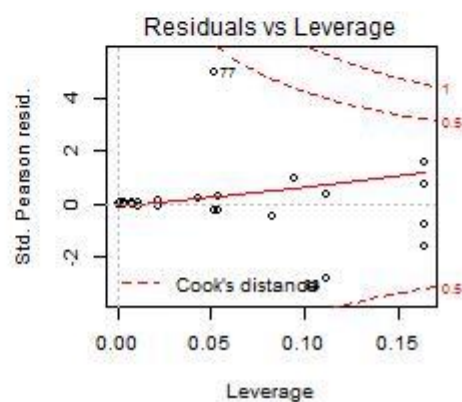
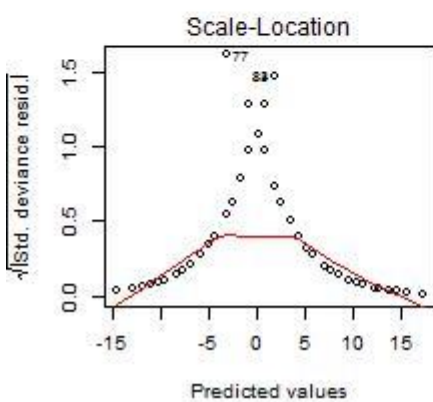
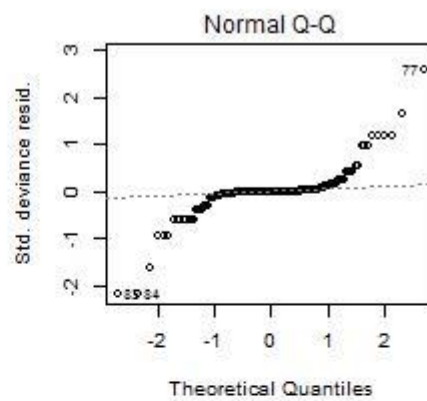
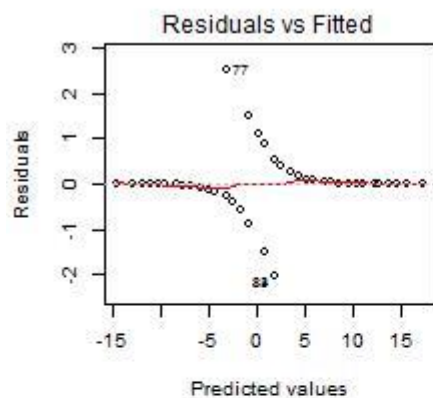


78. *E. coli* EC1608 CNF 1, 3979 (Prof. J. Mainil (Ulg, Liège, Belgium))

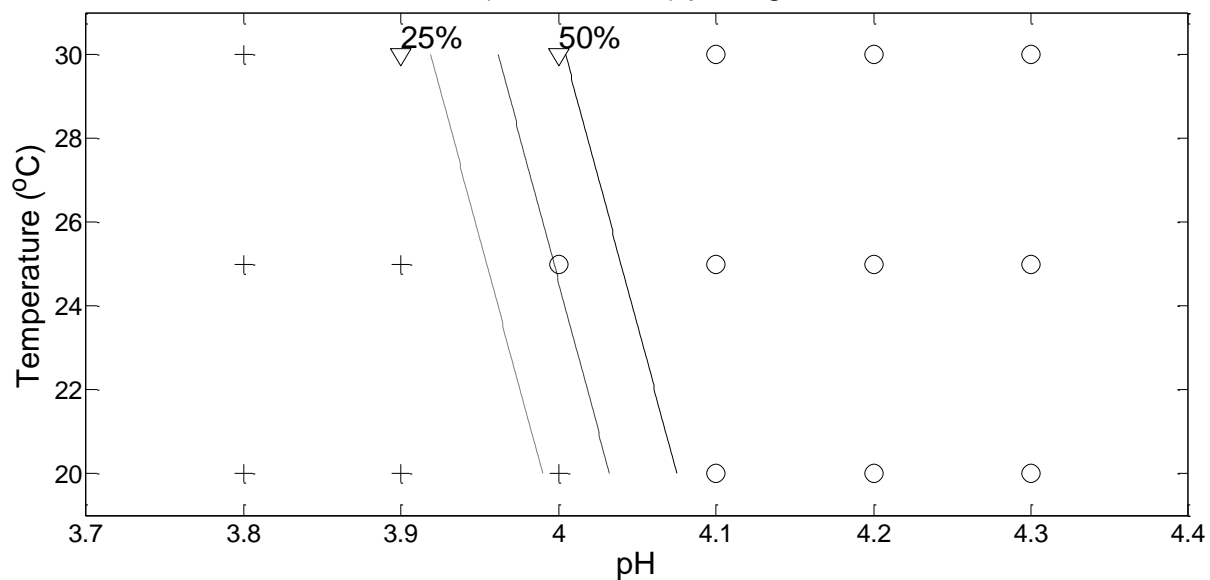
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-214.66	52.55	-4.09	0.00	-344.56	-133.30	0.00	0.00	0.00
pH	51.43	12.64	4.07	0.00	31.87	82.63	2.16E+22	6.92E+13	7.71E+35
LA	-1.14	0.28	-4.00	0.00	-1.84	-0.70	0.32	0.16	0.50
Temp	0.36	0.13	2.72	0.01	0.13	0.68	1.44	1.14	1.97

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.24	
pH	1	34.12	154	182.12	0.00
LA	1	136.95	153	45.17	0.00
Temp	1	10.86	152	34.31	0.00

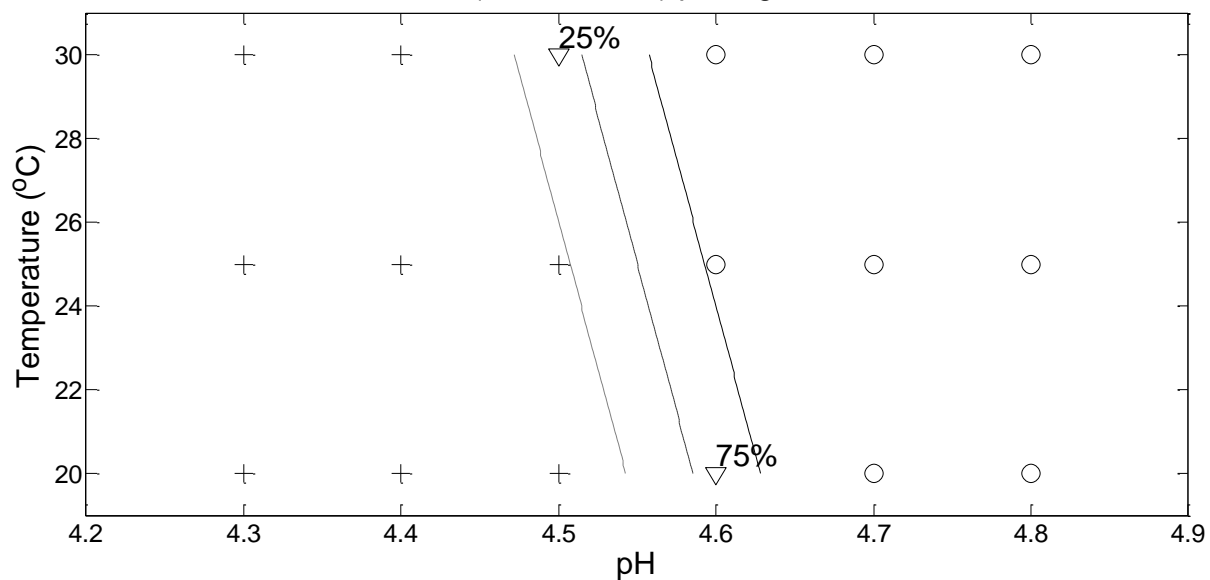
<b>AIC</b>	42.31
<b>Likelihood Ratio</b>	3.38E-39
<b>Log-Likelihood</b>	-17.15



Escherichia coli 1608(CNF 1, 3979) pathogen - 0 mM Lactic Acid



Escherichia coli 1608(CNF 1, 3979) pathogen - 25 mM Lactic Acid



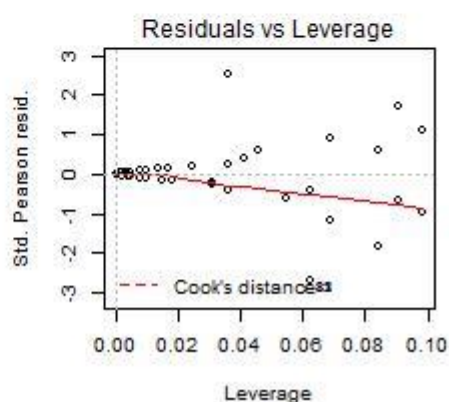
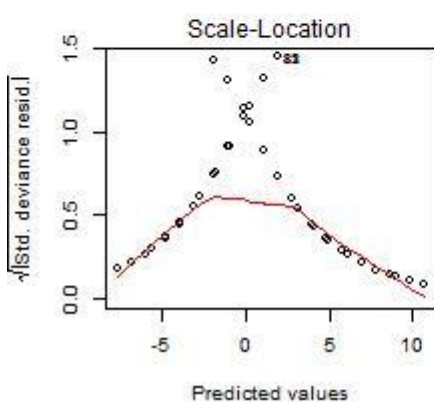
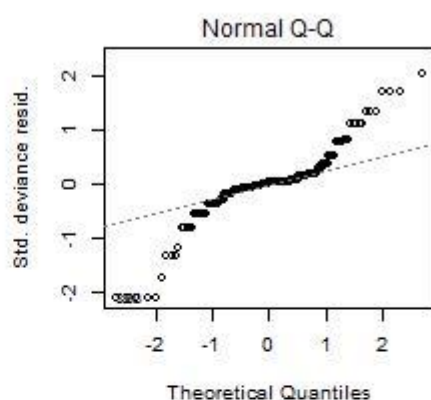
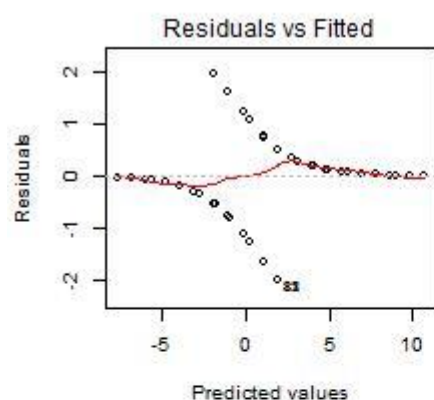


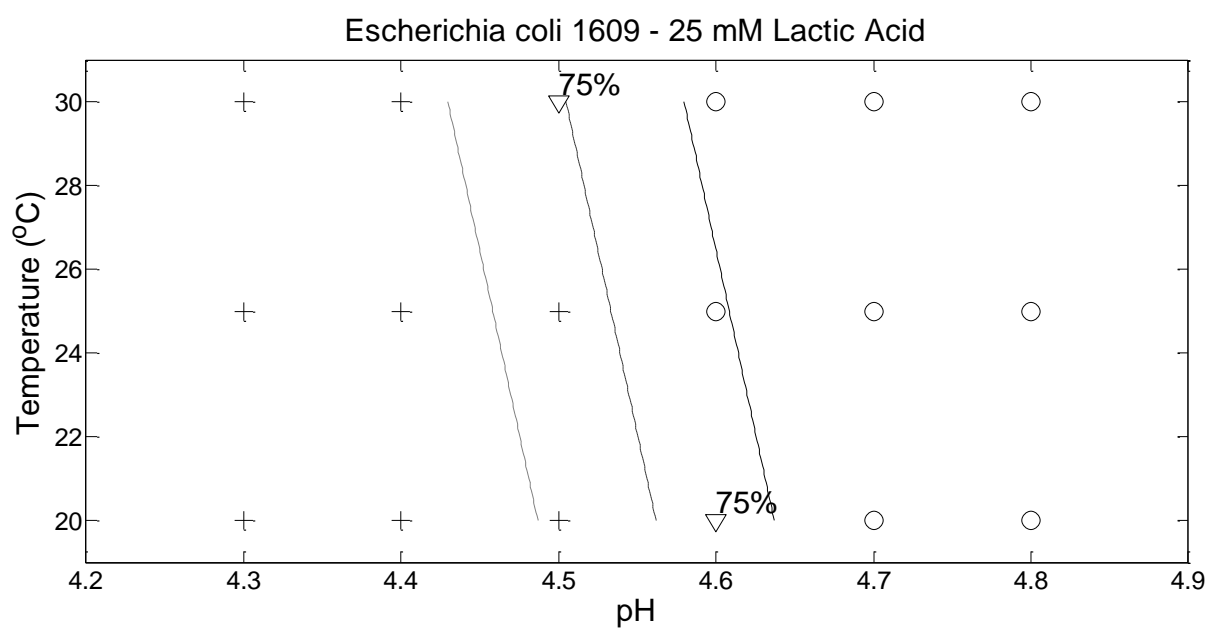
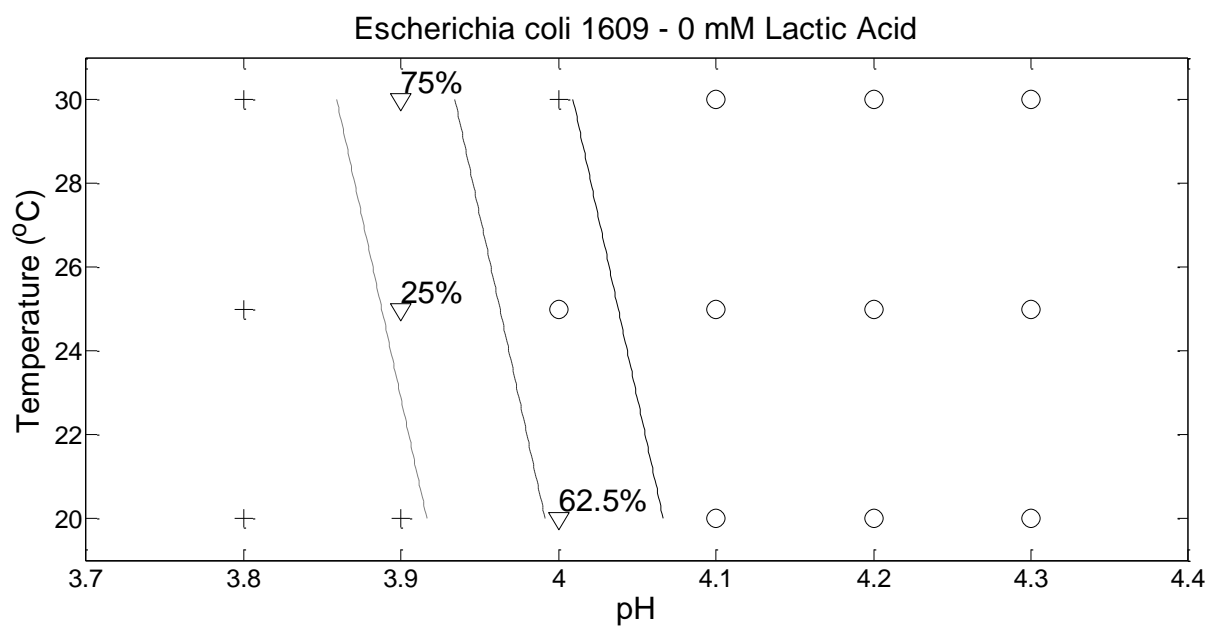
**79. *E. coli* EC1609 CNF 1,83KH77 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-120.17	22.42	-5.36	0.00	-172.65	-83.18	0.00	0.00	0.00
pH	29.27	5.45	5.37	0.00	20.27	41.98	5.14E+12	6.33E+08	1.71E+18
LA	-0.67	0.13	-5.24	0.00	-0.96	-0.46	0.51	0.38	0.63
Temp	0.17	0.08	1.98	0.05	0.01	0.35	1.18	1.01	1.41

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	214.18	
pH	1	25.62	154	188.56	0.00
LA	1	122.92	153	65.65	0.00
Temp	1	4.32	152	61.32	0.04

<b>AIC</b>	69.32
<b>Likelihood Ratio</b>	6.37E-33
<b>Log-Likelihood</b>	-30.66



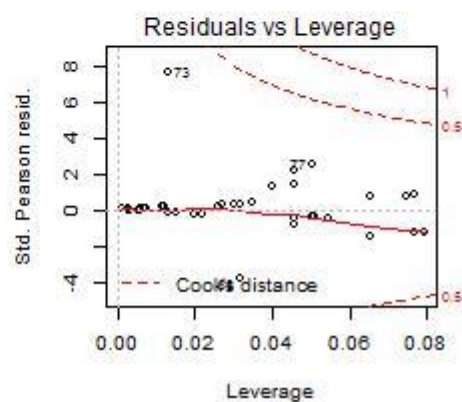
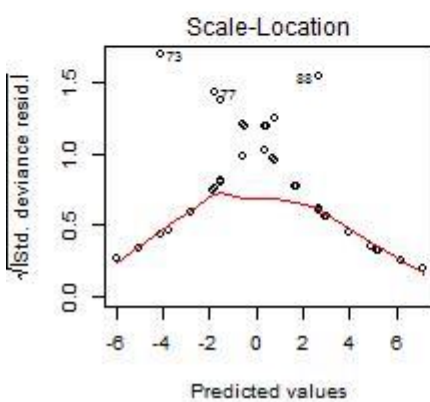
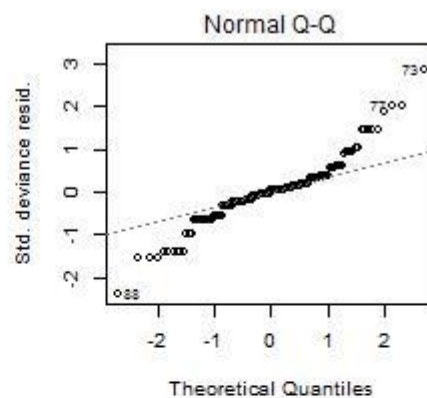
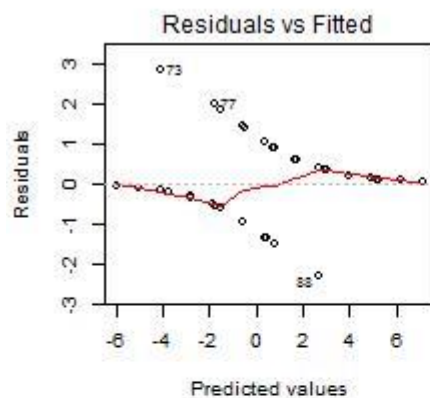


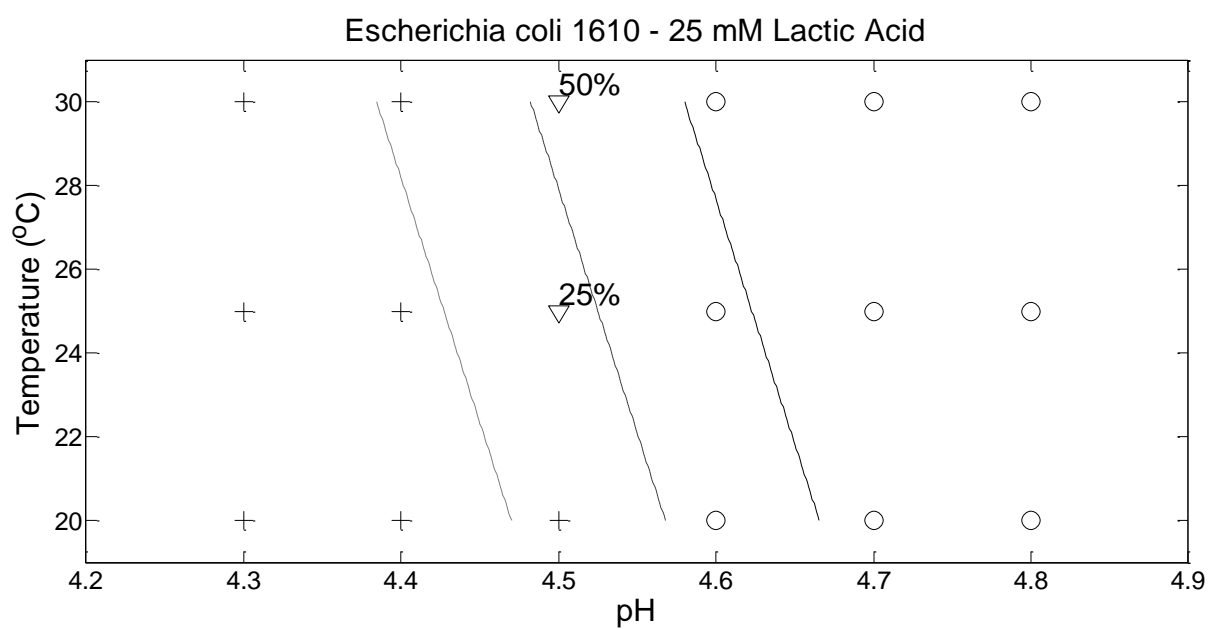
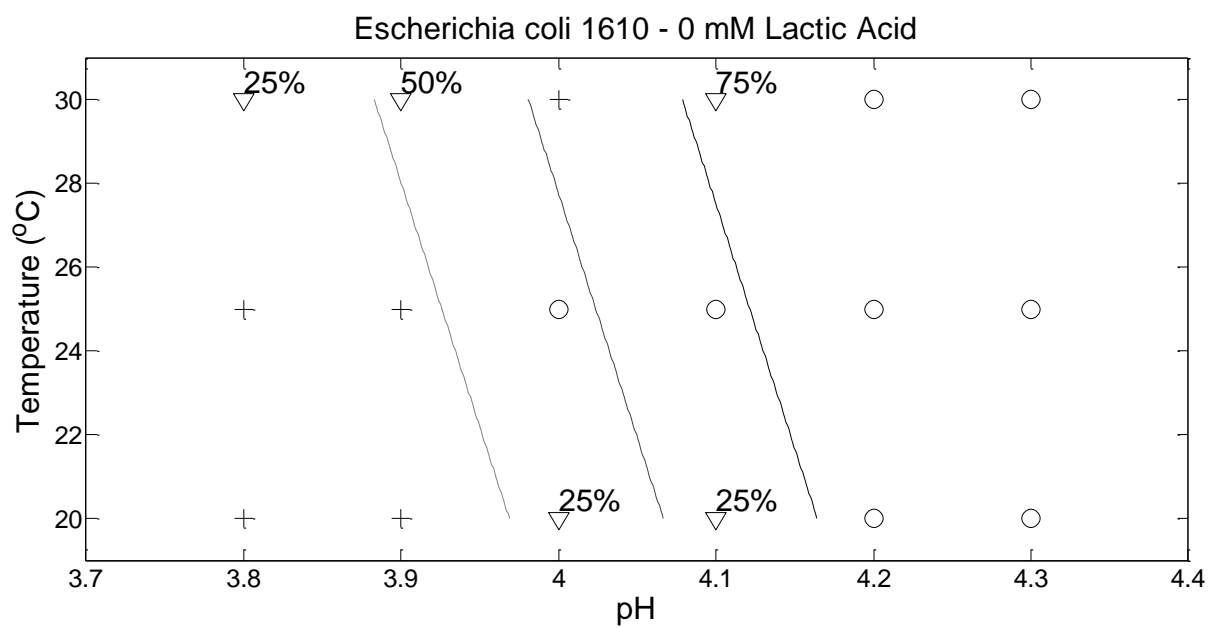
80. *E. coli* EC1610 CNF 1, BM3-1 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-95.21	15.82	-6.02	0.00	-131.27	-68.40	0.00	0.00	0.00
pH	22.47	3.75	5.99	0.00	16.12	31.02	5.72E+09	9.97E+06	2.96E+13
LA	-0.45	0.08	-5.62	0.00	-0.63	-0.31	0.64	0.53	0.73
Temp	0.19	0.08	2.51	0.01	0.05	0.35	1.21	1.05	1.42

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.24	
pH	1	40.54	154	175.70	0.00
LA	1	94.02	153	81.68	0.00
Temp	1	7.09	152	74.59	0.01

<b>AIC</b>	82.59
<b>Likelihood Ratio</b>	1.67E-30
<b>Log-Likelihood</b>	-37.29



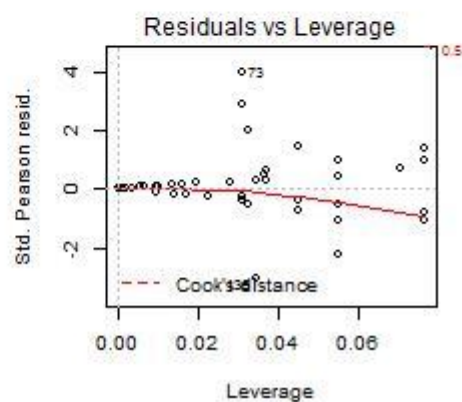
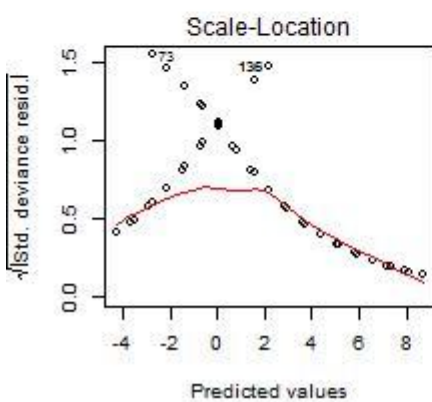
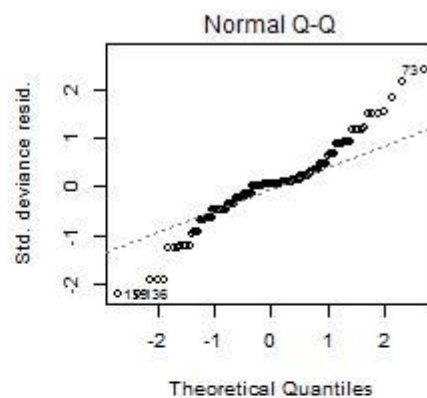
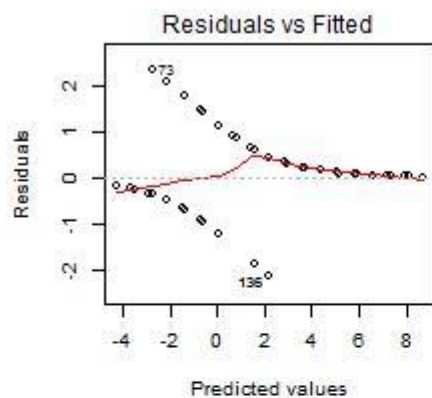


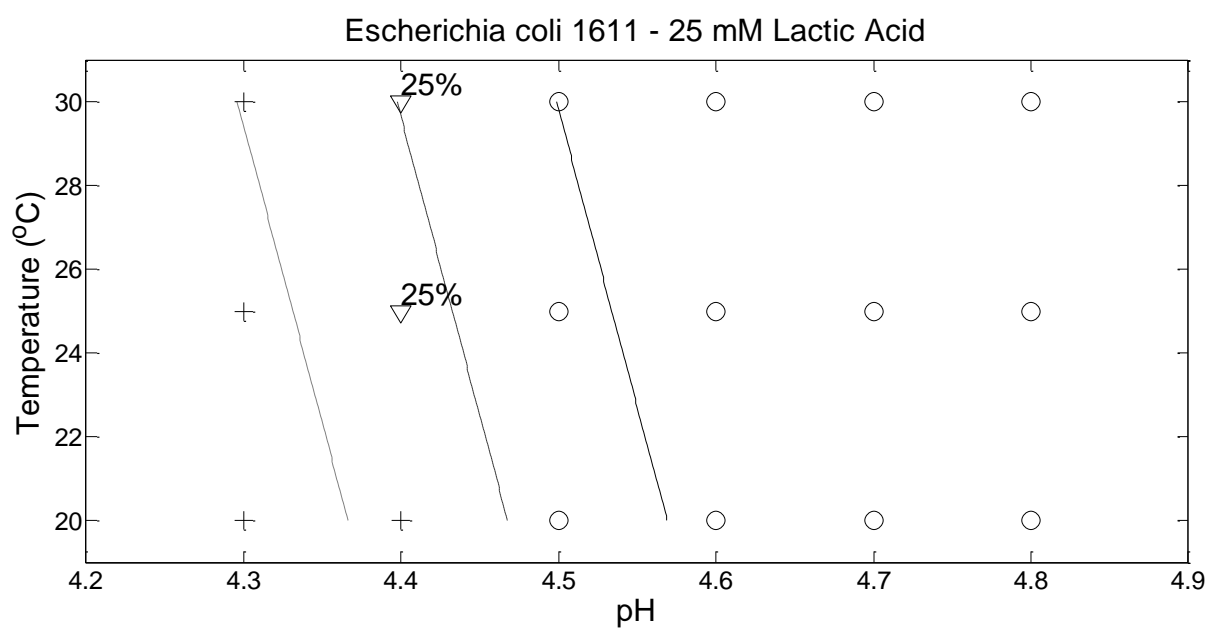
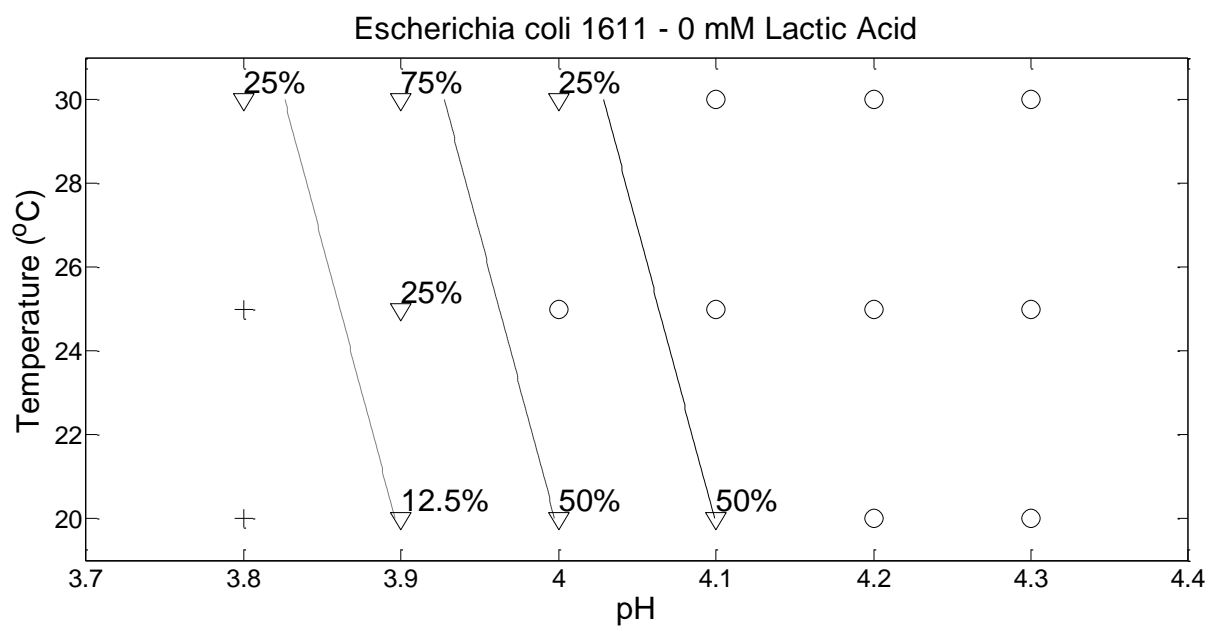
81. *E. coli* EC1611 CNF2, B28b (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-89.73	15.31	-5.86	0.00	-124.47	-63.67	0.00	0.00	0.00
pH	21.69	3.71	5.85	0.00	15.37	30.09	2.62E+09	4.72E+06	1.17E+13
LA	-0.41	0.07	-5.47	0.00	-0.58	-0.28	0.67	0.56	0.76
Temp	0.15	0.07	2.11	0.04	0.02	0.30	1.16	1.02	1.35

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	204.81	
pH	1	43.49	154	161.32	0.00
LA	1	76.85	153	84.47	0.00
Temp	1	4.81	152	79.66	0.03

<b>AIC</b>	87.66
<b>Likelihood Ratio</b>	6E-27
<b>Log-Likelihood</b>	-39.83



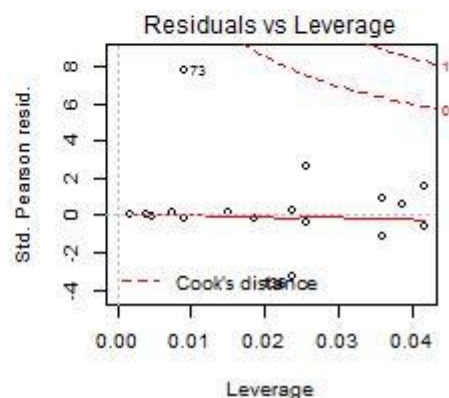
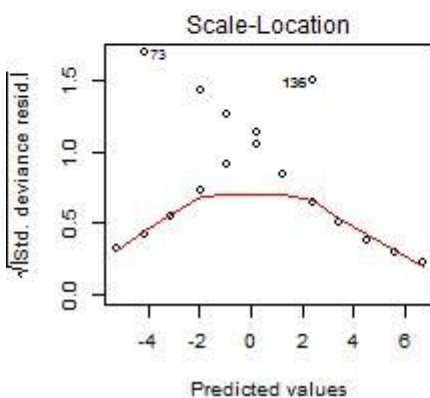
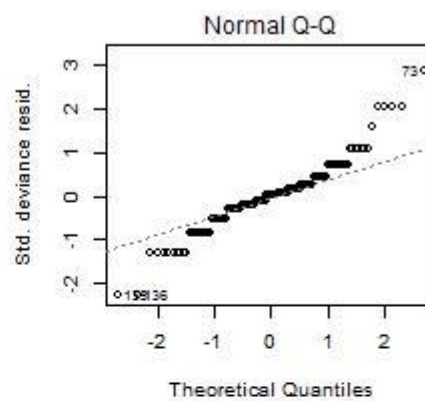
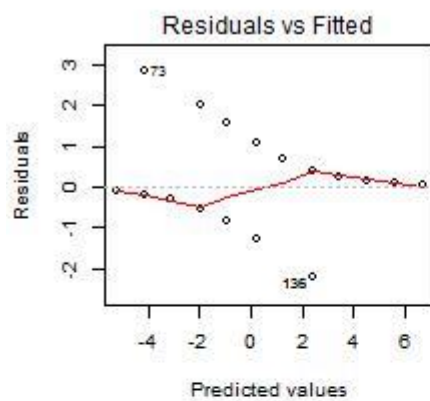


82. *E. coli* EC1612 CNF2, B4A1 (Prof. J. Mainil (Ulg, Liège, Belgium))

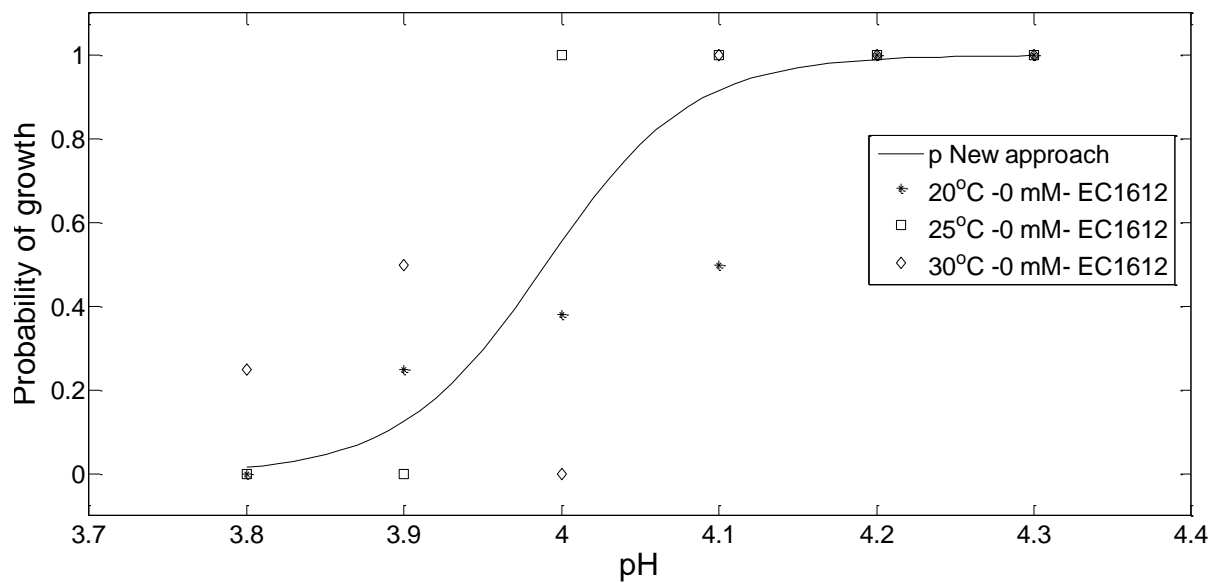
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-86.48	14.20	-6.09	0.00	-118.71	-62.29	0.00	0.00	0.00
pH	21.67	3.56	6.08	0.00	15.61	29.76	2.59E+09	6.01E+06	8.40E+12
LA	-0.48	0.08	-5.80	0.00	-0.66	-0.34	0.62	0.51	0.71

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.62	
pH	1	26.90	154	188.72	0.00
LA	1	107.36	153	81.36	0.00

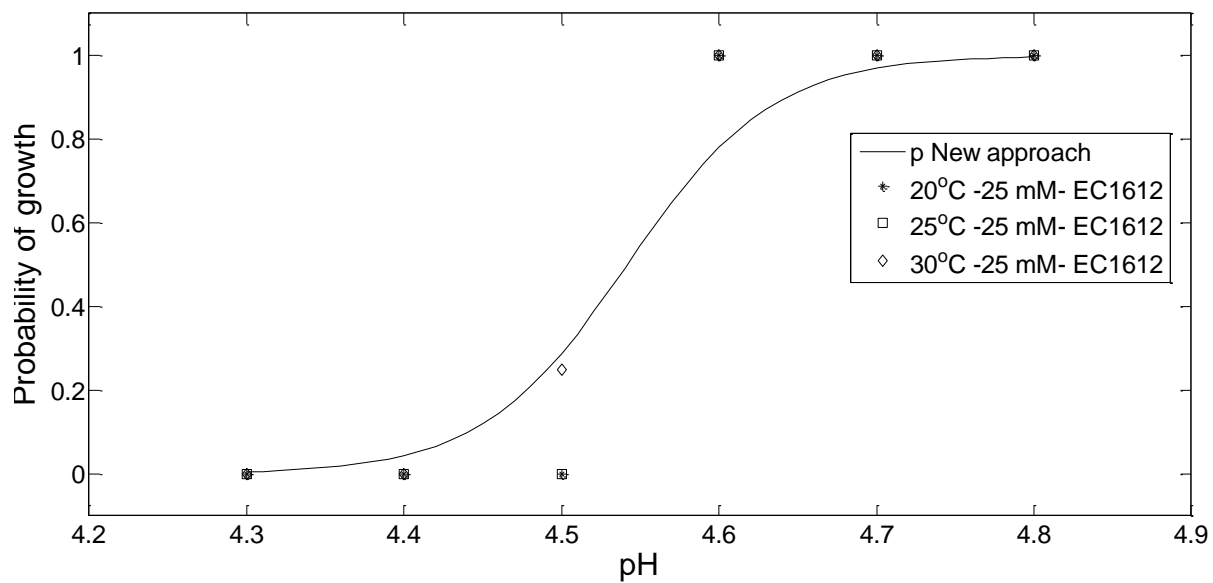
<b>AIC</b>	87.36
<b>Likelihood Ratio</b>	7E-30
<b>Log-Likelihood</b>	-40.68



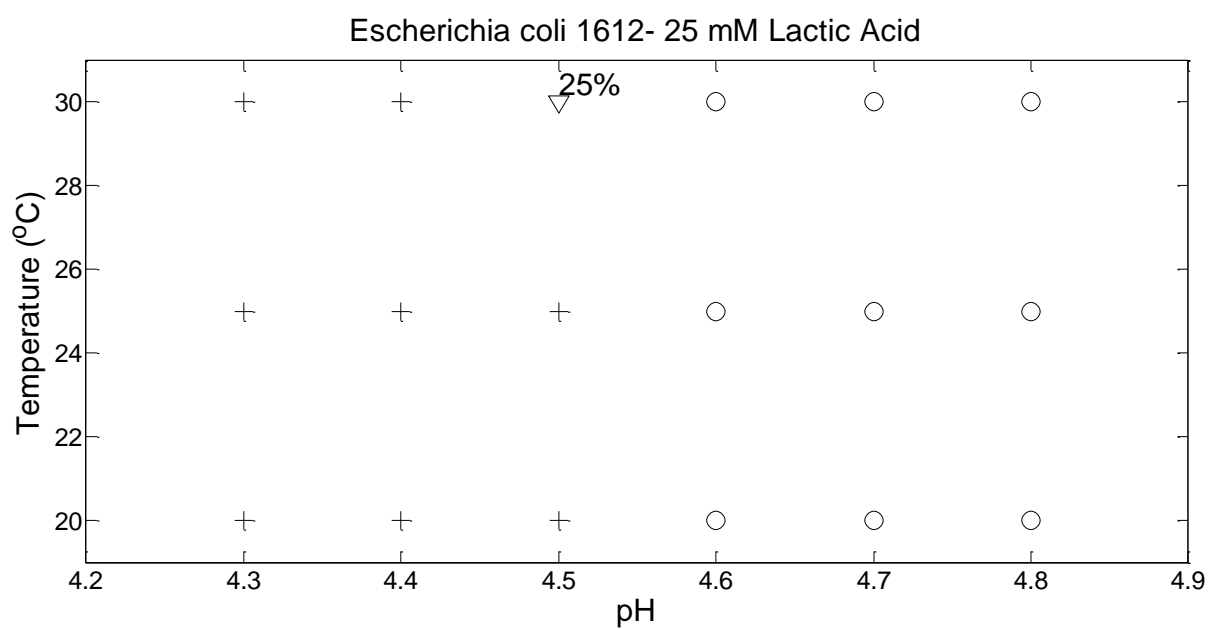
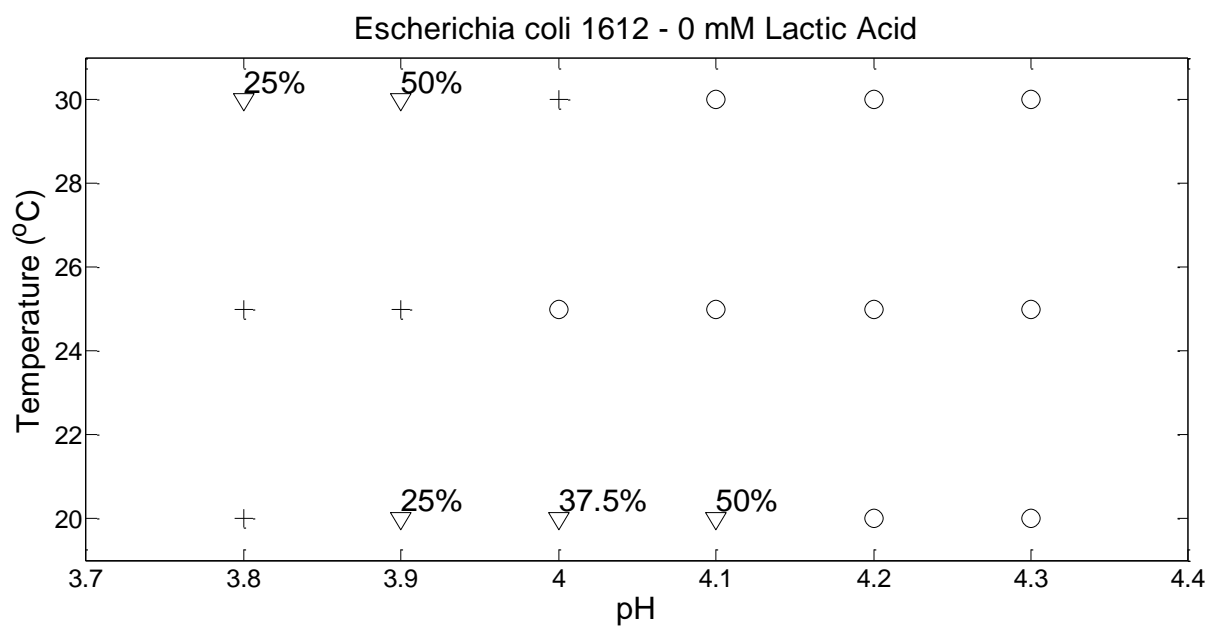
Escherichia coli EC1612 - 0 mM Lactic Acid



Escherichia coli EC1612 - 25 mM Lactic Acid







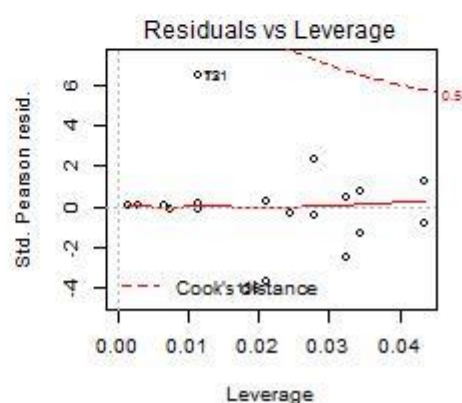
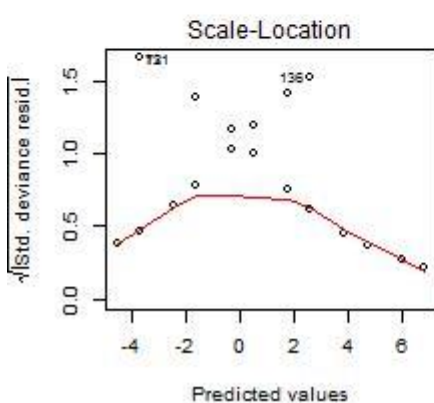
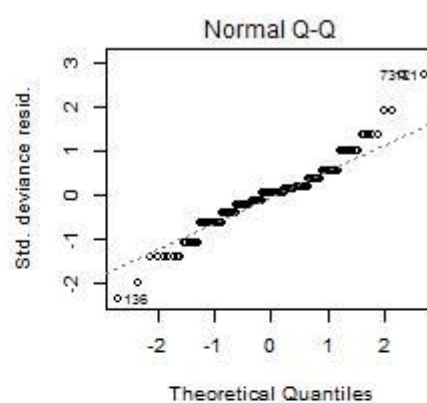
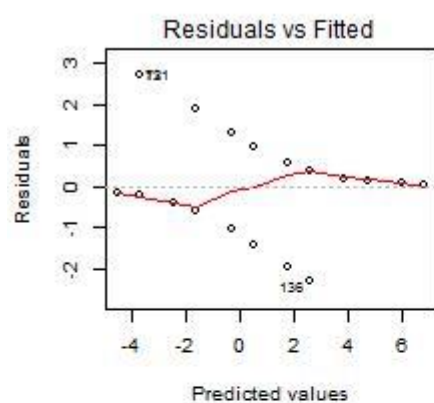


83. *E. coli* EC1613 CNF2,B20a (Prof. J. Mainil (Ulg, Liège, Belgium))

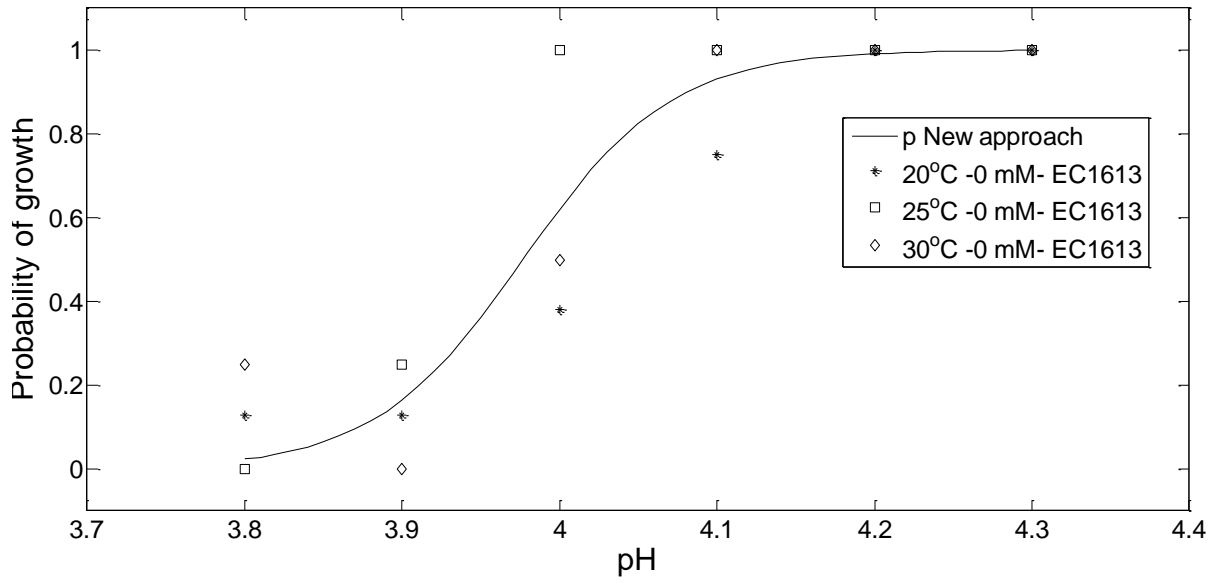
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-83.96	13.72	-6.12	0.00	-115.01	-60.51	0.00	0.00	0.00
pH	21.11	3.45	6.12	0.00	15.22	28.92	1.48E+09	4.06E+06	3.64E+12
LA	-0.46	0.08	-5.82	0.00	-0.63	-0.32	0.63	0.53	0.73

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.69	
pH	1	28.28	154	185.41	0.00
LA	1	101.76	153	83.65	0.00

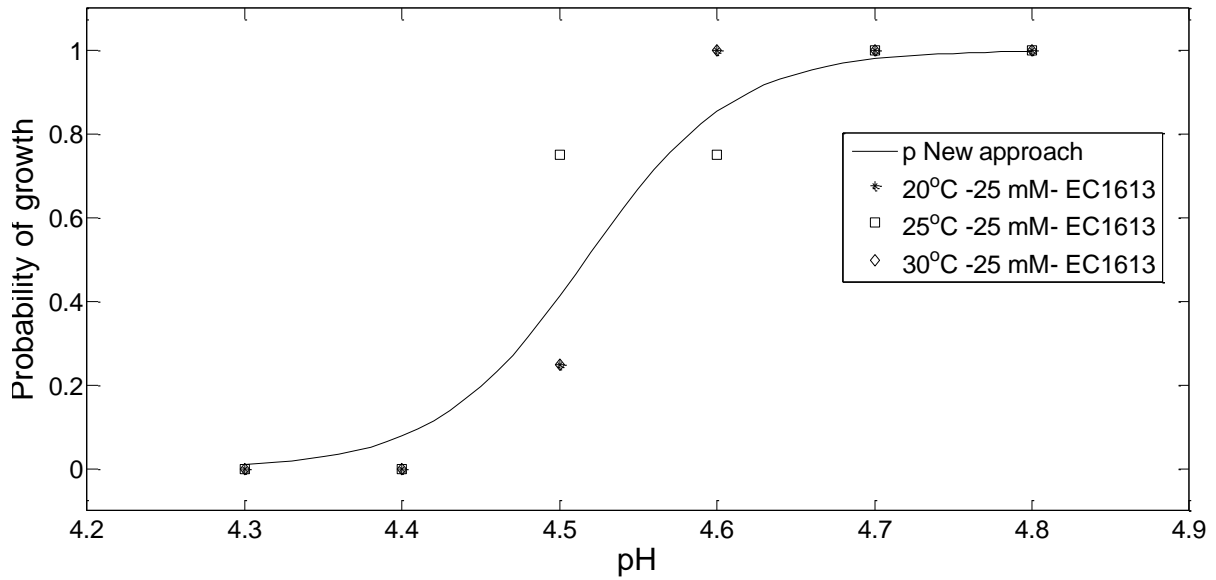
<b>AIC</b>	89.65
<b>Likelihood Ratio</b>	5.79E-29
<b>Log-Likelihood</b>	-41.83

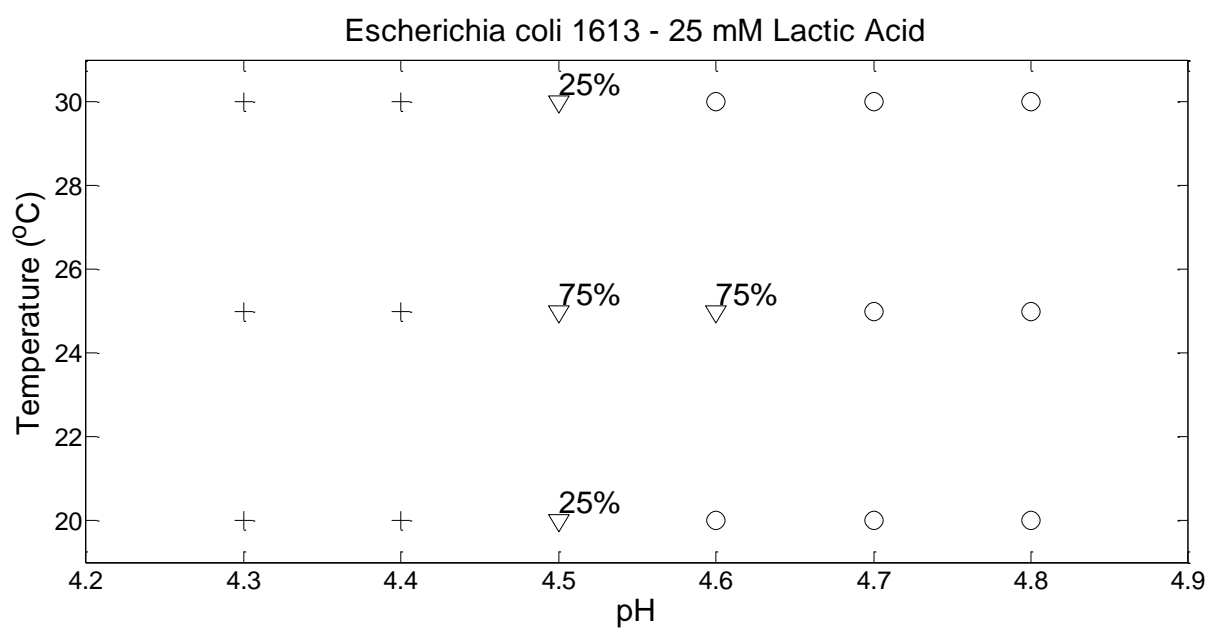
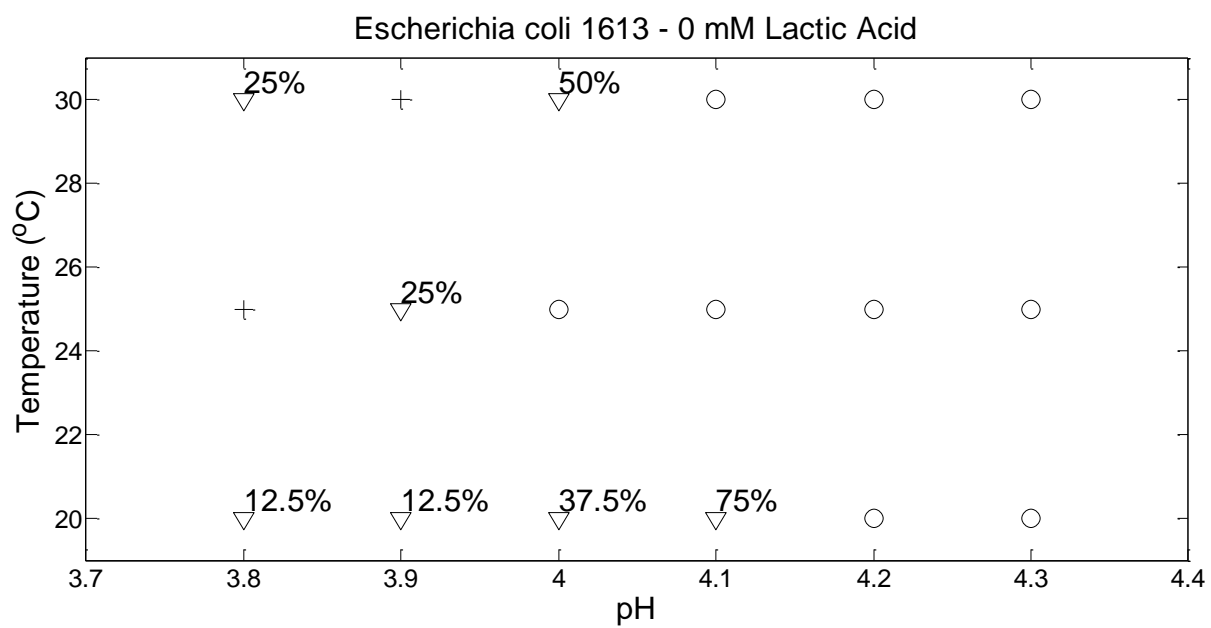


Escherichia coli EC1613 - 0 mM Lactic Acid



Escherichia coli EC1613 - 25 mM Lactic Acid





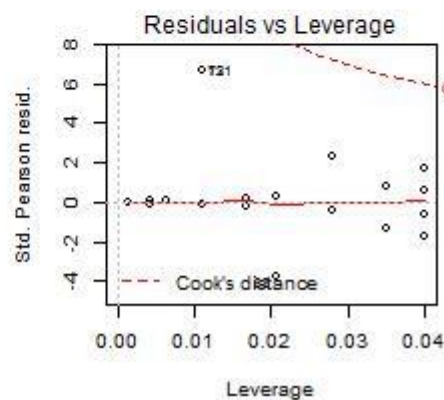
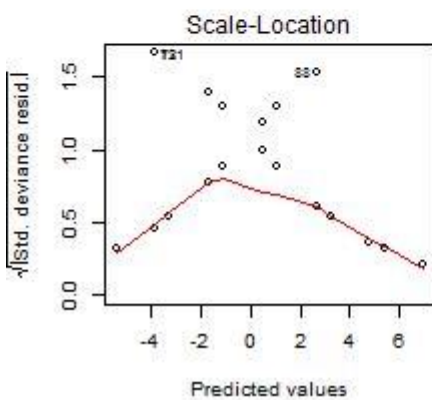
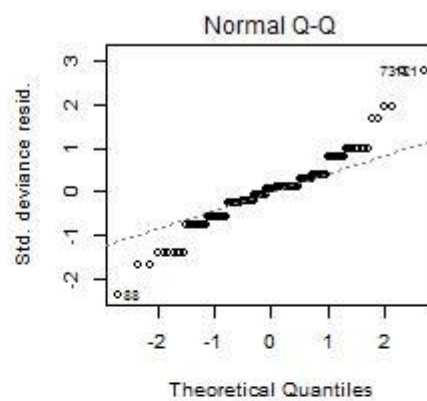
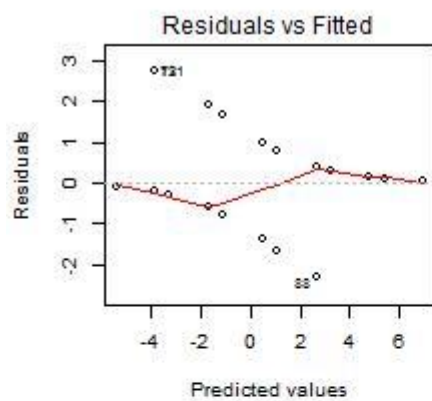


84. *E. coli* EC1614 CNF2,B26a (Prof. J. Mainil (Ulg, Liège, Belgium))

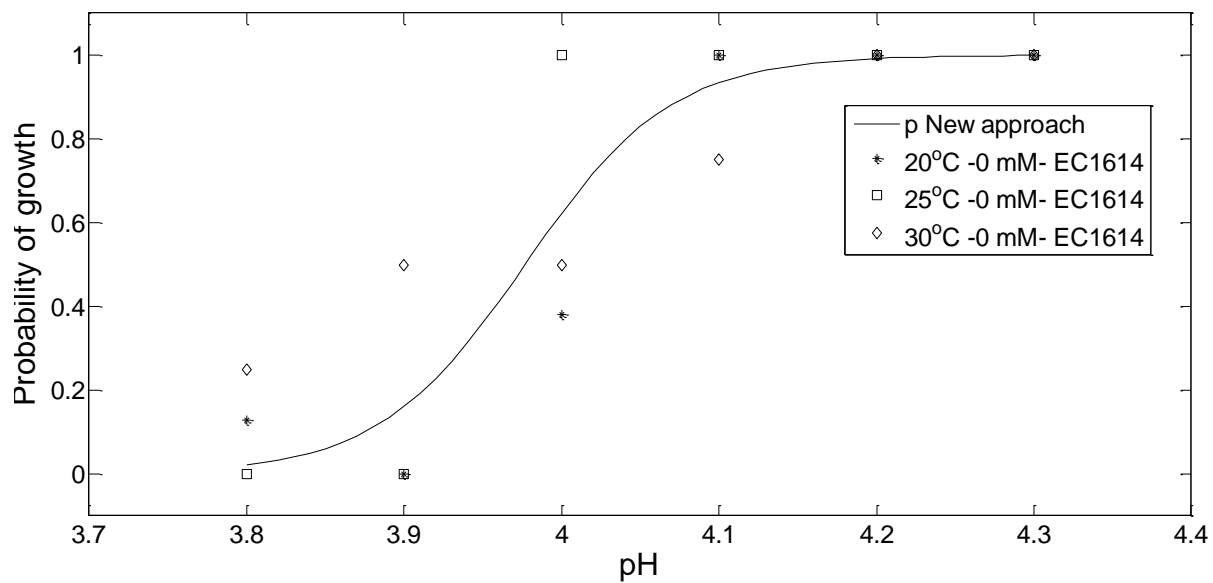
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-85.55	13.99	-6.11	0.00	-117.13	-61.64	0.00	0.00	0.00
pH	21.51	3.52	6.11	0.00	15.50	29.46	2.20E+09	5.38E+06	6.20E+12
LA	-0.49	0.08	-5.85	0.00	-0.68	-0.35	0.61	0.51	0.71

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.34	
pH	1	22.14	154	193.20	0.00
LA	1	110.95	153	82.25	0.00

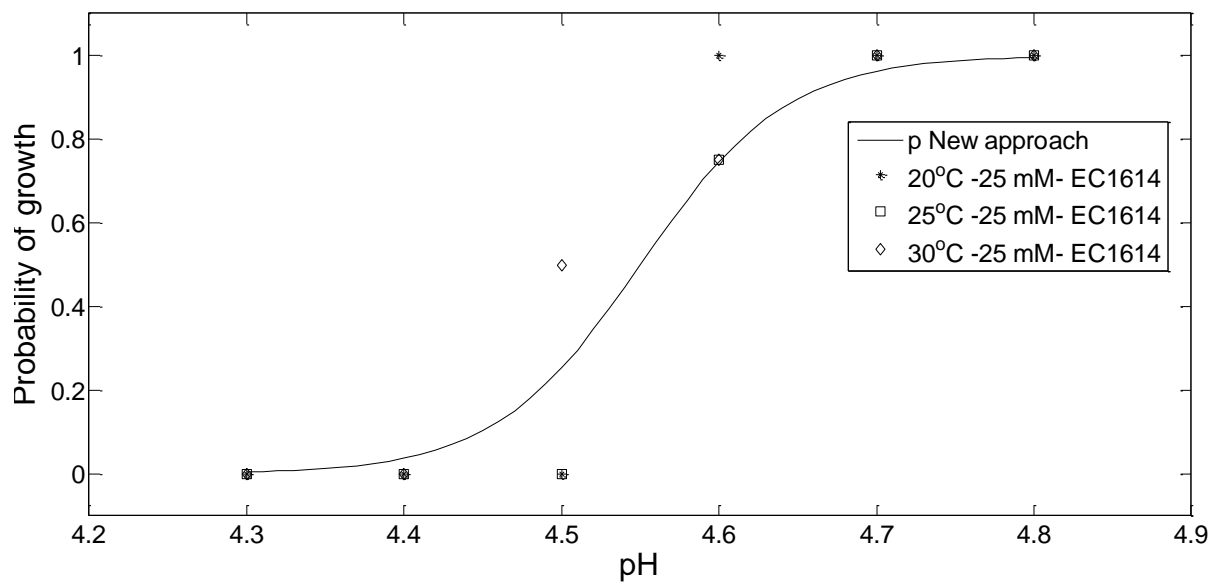
<b>AIC</b>	88.25
<b>Likelihood Ratio</b>	1.26E-29
<b>Log-Likelihood</b>	-41.12



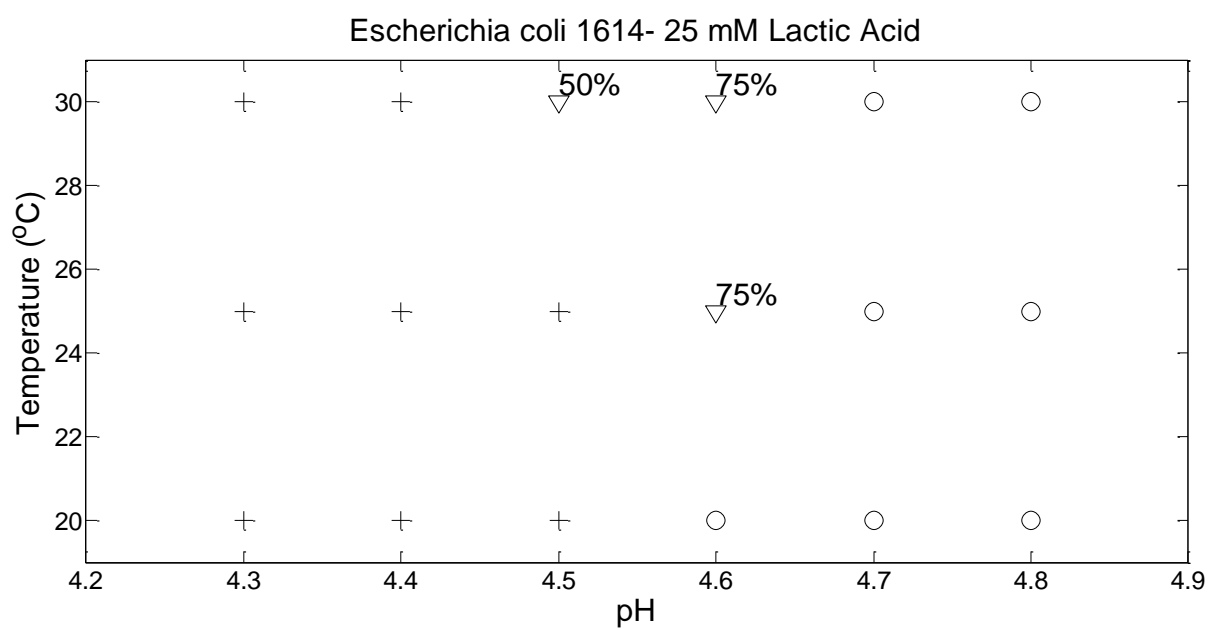
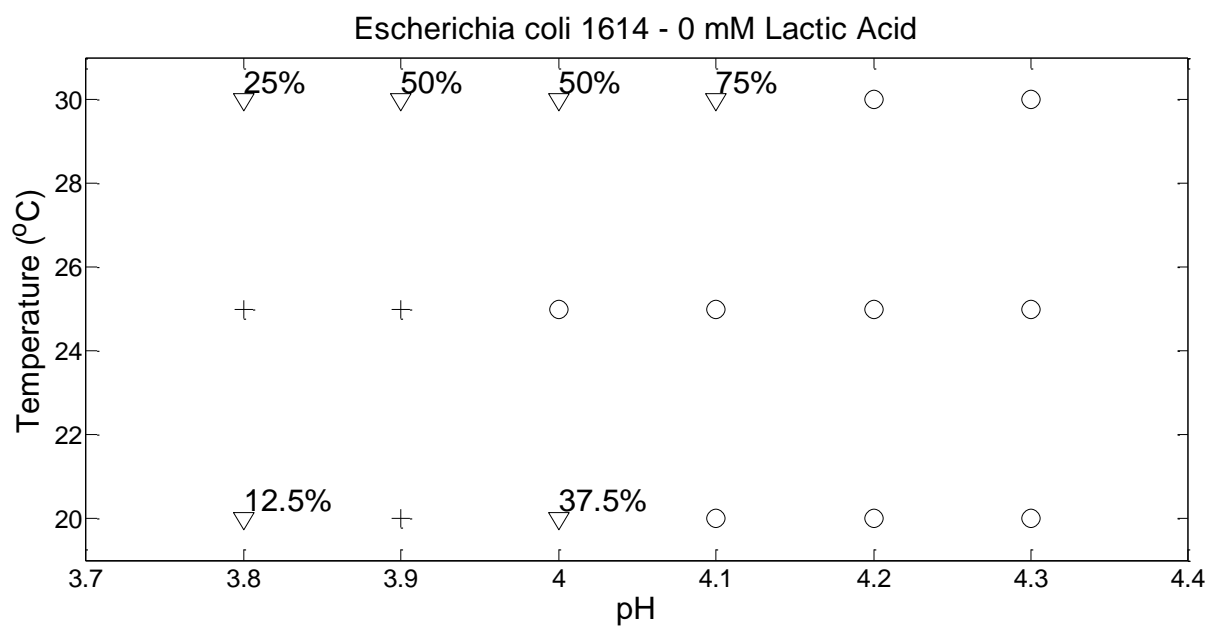
Escherichia coli EC1614 - 0 mM Lactic Acid



Escherichia coli EC1614 - 25 mM Lactic Acid







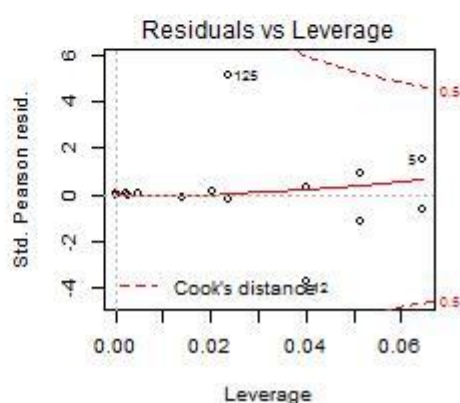
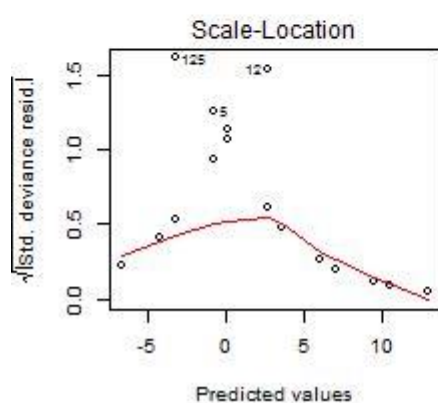
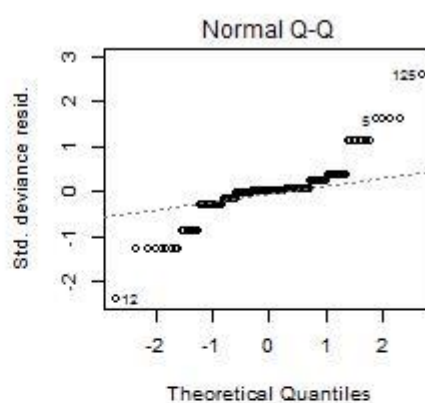
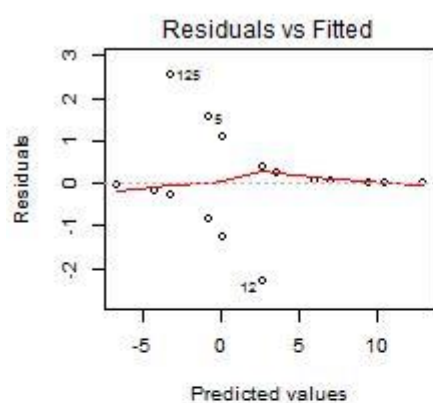


85. *E. coli* EC1615 CNF2,B88-612-1 (Prof. J. Mainil (Ulg, Liège, Belgium))

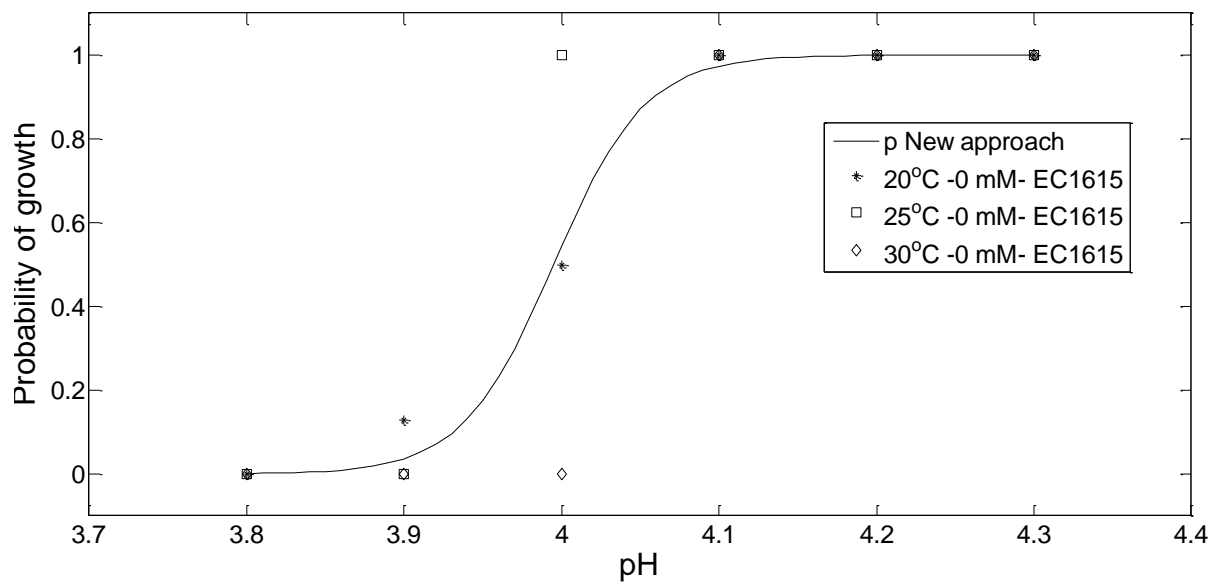
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-137.50	28.99	-4.74	0.00	-210.56	-91.62	0.00	0.00	0.00
pH	34.42	7.26	4.74	0.00	22.93	52.70	8.89E+14	9.08E+09	7.69E+22
LA	-0.59	0.13	-4.67	0.00	-0.90	-0.39	0.55	0.41	0.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	207.88	
pH	1	59.94	154	147.93	0.00
LA	1	94.56	153	53.37	0.00

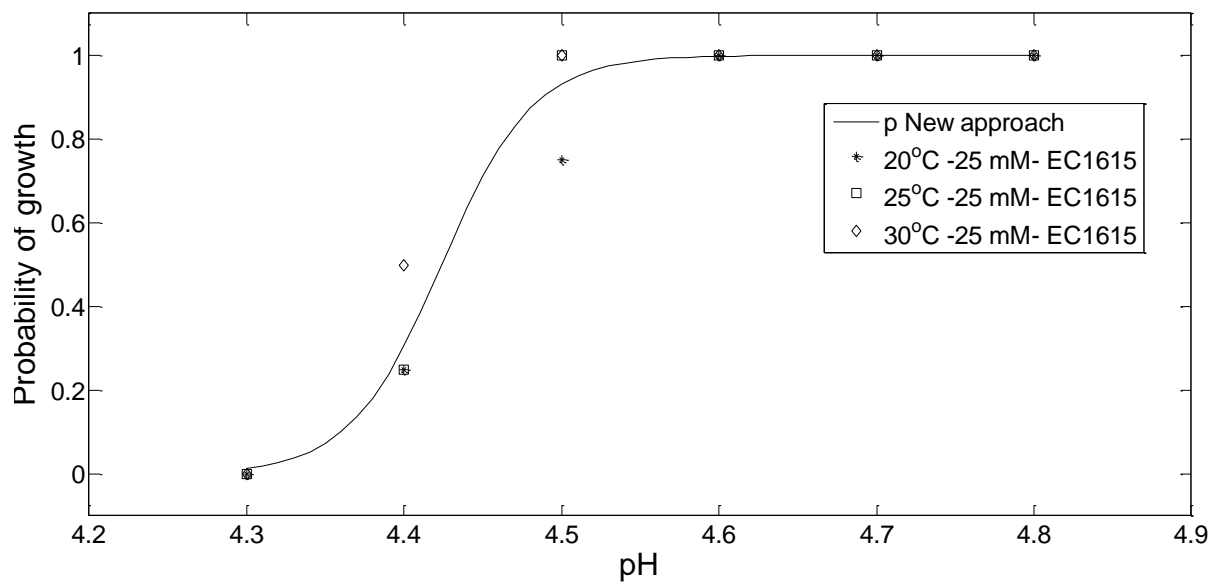
<b>AIC</b>	59.37
<b>Likelihood Ratio</b>	2.81E-34
<b>Log-Likelihood</b>	-26.69

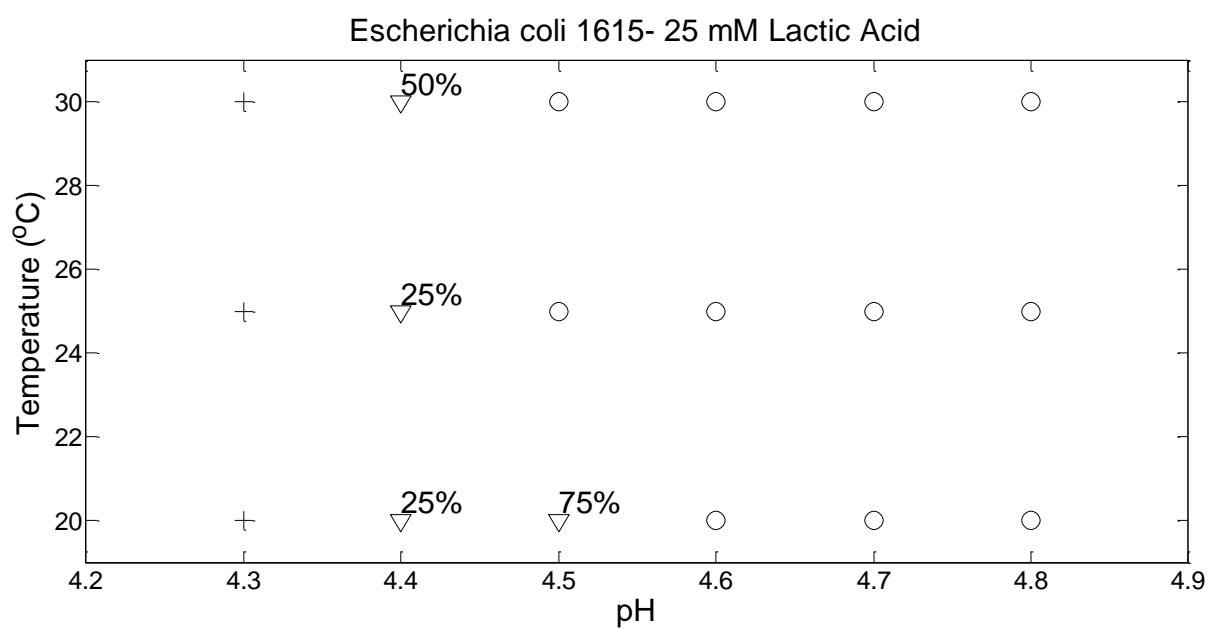
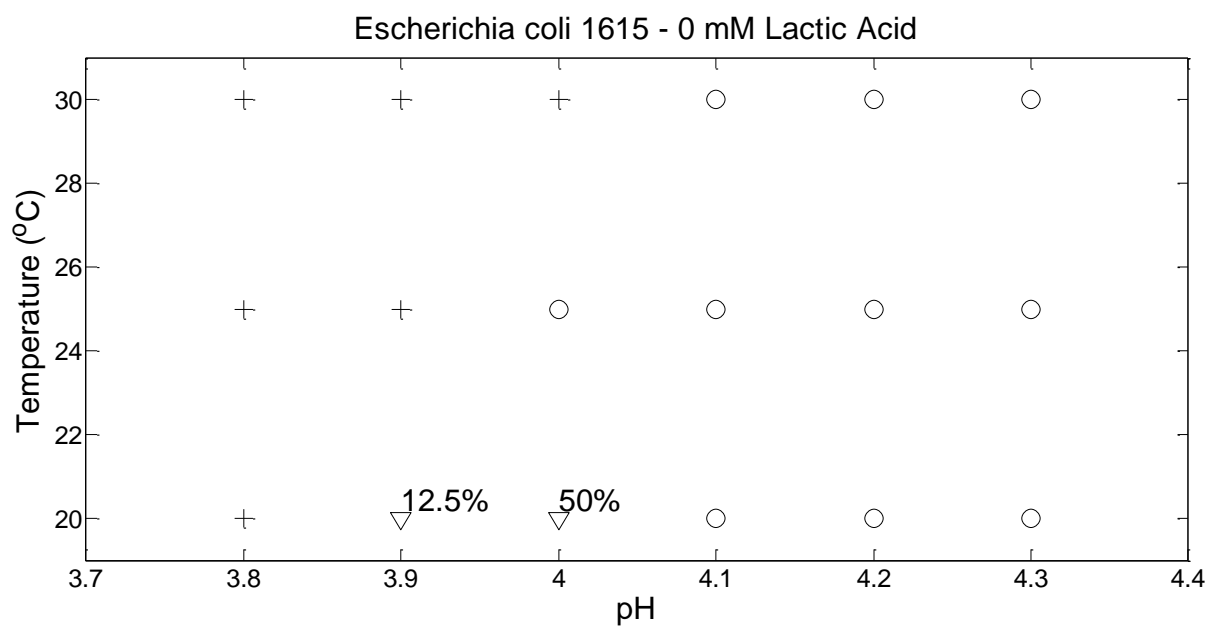


Escherichia coli EC1615 - 0 mM Lactic Acid



Escherichia coli EC1615 - 25 mM Lactic Acid





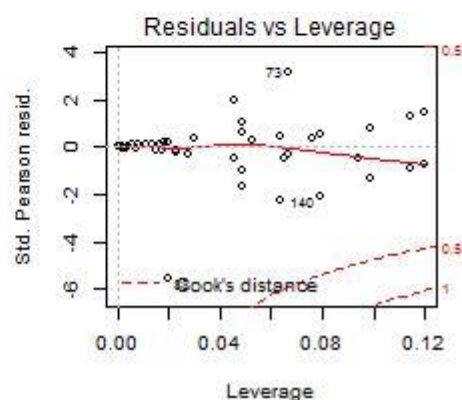
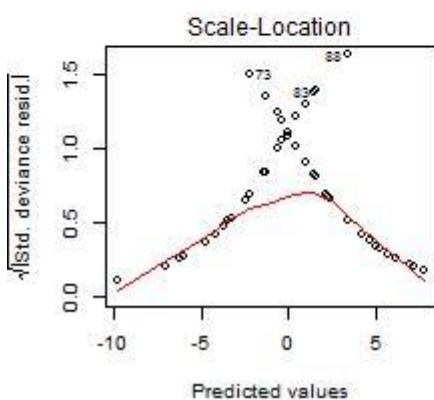
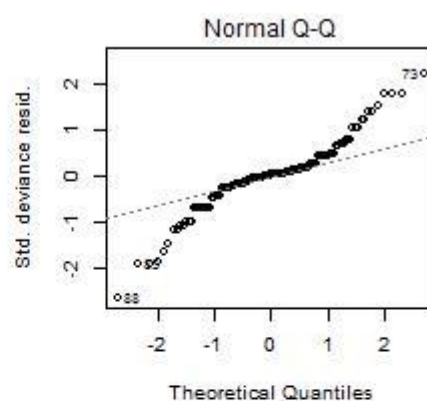
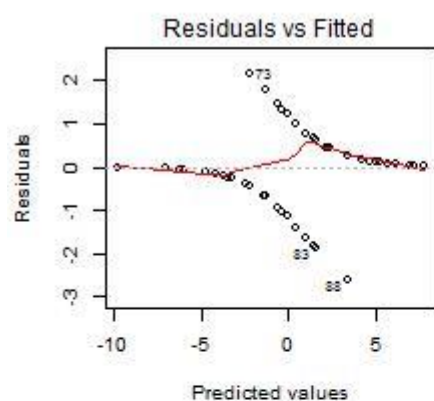


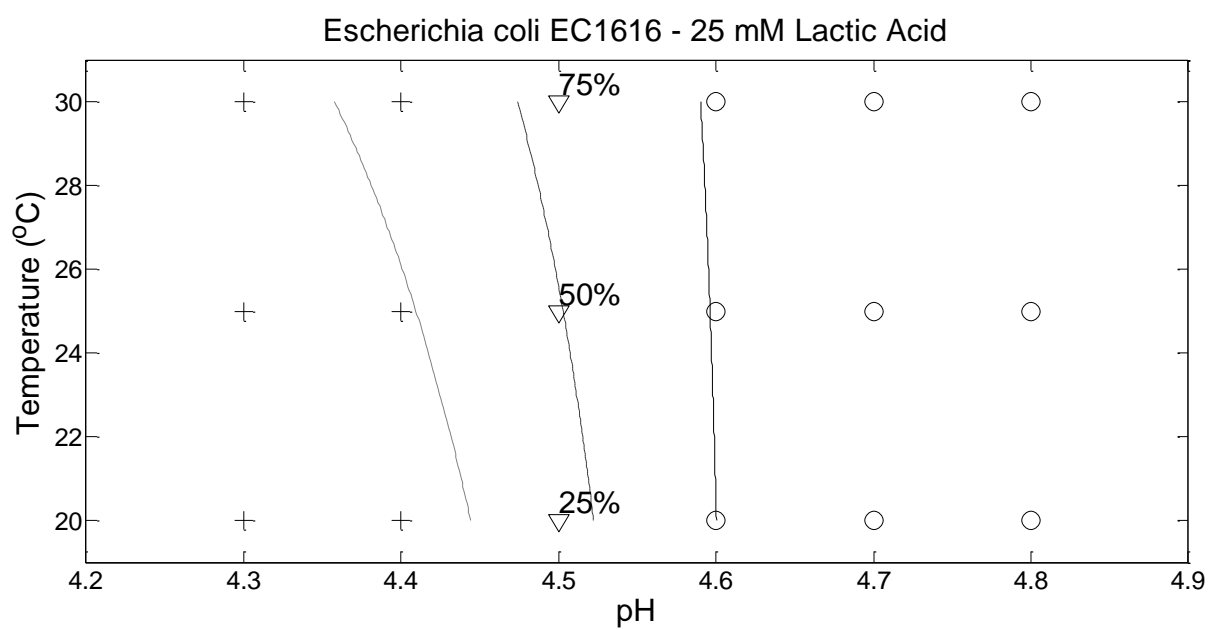
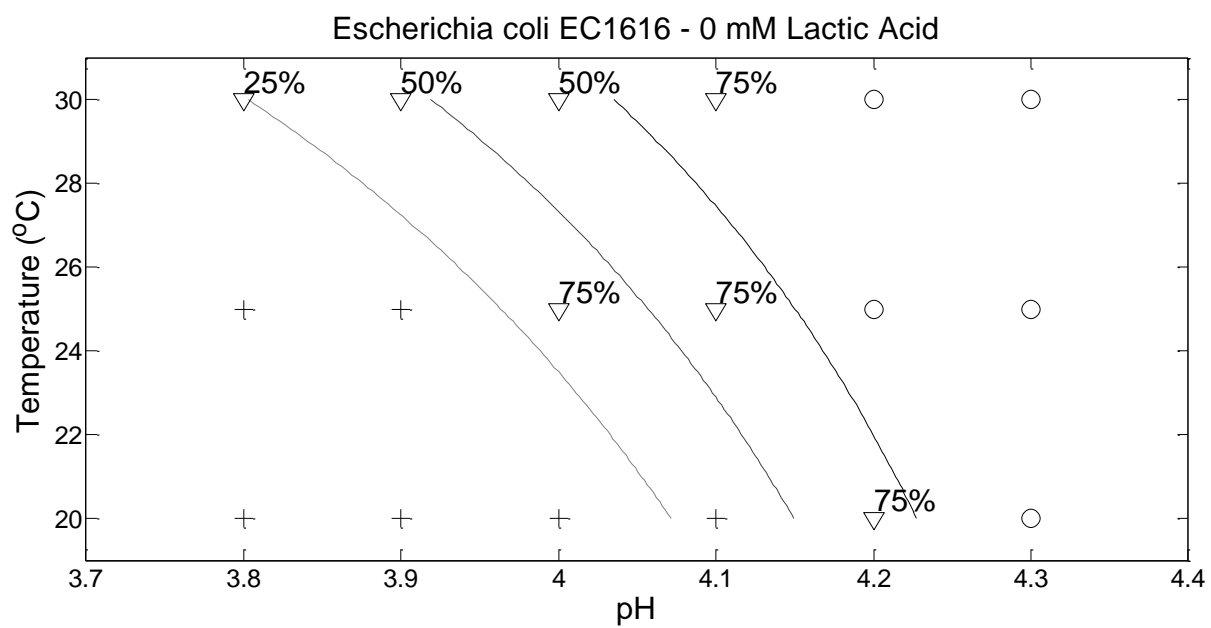
86. *E. coli* EC1616 CNF2,B177 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-202.16	48.91	-4.13	0.00	-312.95	-118.18	0.00	0.00	0.00
pH	46.62	11.35	4.11	0.00	27.10	72.29	1.77E+20	5.86E+11	2.49E+31
LA	-0.42	0.08	-5.40	0.00	-0.60	-0.29	0.66	0.55	0.75
Temp	4.27	1.52	2.81	0.00	1.54	7.59	71.45	4.65	1976.02
pH:Temp	-0.92	0.35	-2.65	0.01	-1.68	-0.29	0.40	0.19	0.75

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.24	
pH	1	49.40	154	166.83	0.00
LA	1	73.12	153	93.71	0.00
Temp	1	16.93	152	76.78	0.00
pH:Temp	1	8.64	151	68.14	0.00

<b>AIC</b>	78.14
<b>Likelihood Ratio</b>	5.21E-31
<b>Log-Likelihood</b>	-34.07





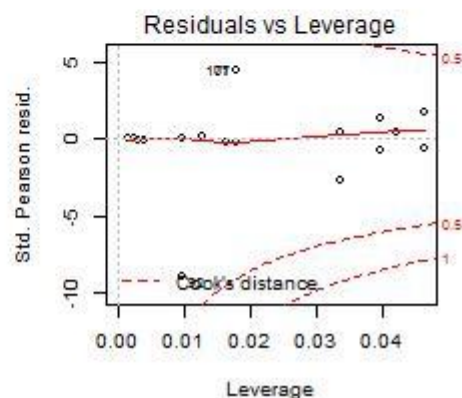
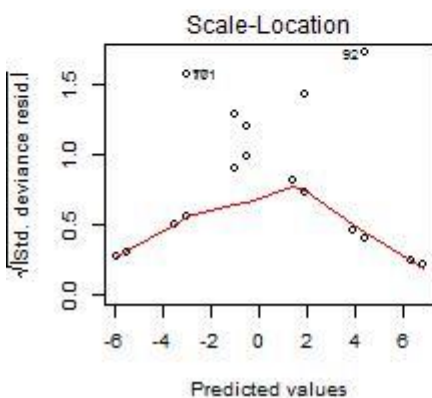
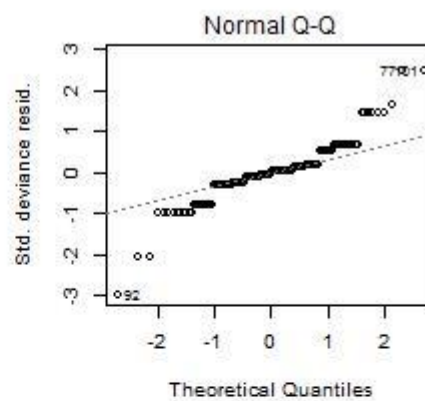
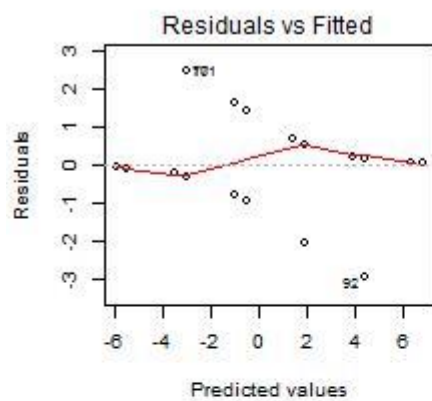


87. *E. coli* EC1617 CNF2,88-388-2 (Prof. J. Mainil (Ulg, Liège, Belgium))

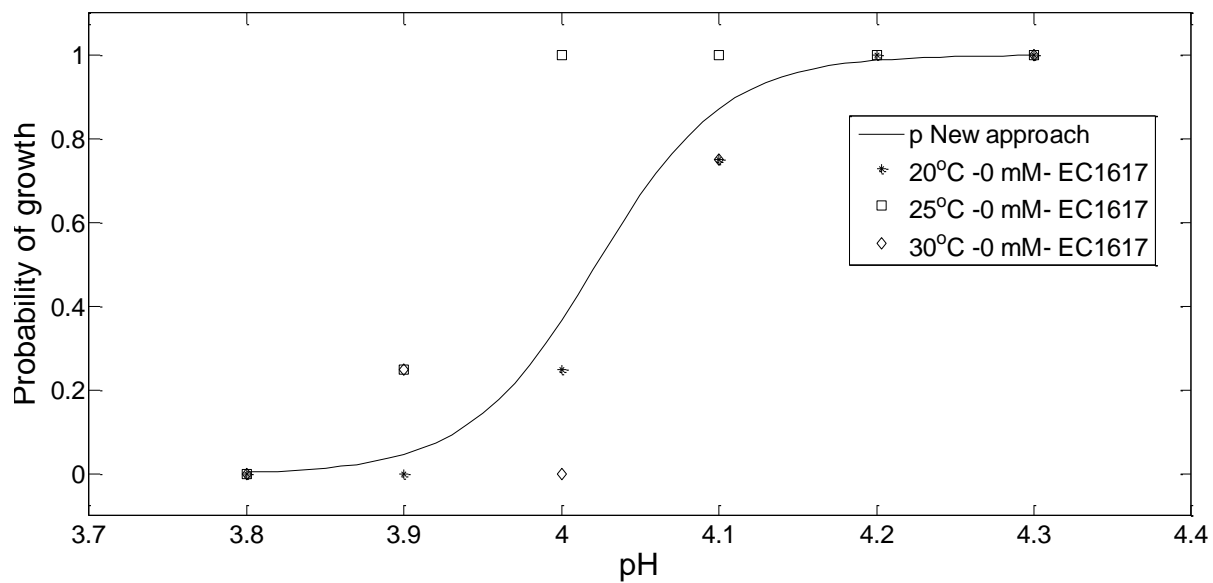
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-99.17	17.07	-5.81	0.00	-138.45	-70.54	0.00	0.00	0.00
pH	24.66	4.25	5.80	0.00	17.53	34.44	5.10E+10	4.10E+07	9.10E+14
LA	-0.51	0.09	-5.51	0.00	-0.73	-0.36	0.60	0.48	0.70

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.26	
pH	1	36.64	154	179.62	0.00
LA	1	108.87	153	70.76	0.00

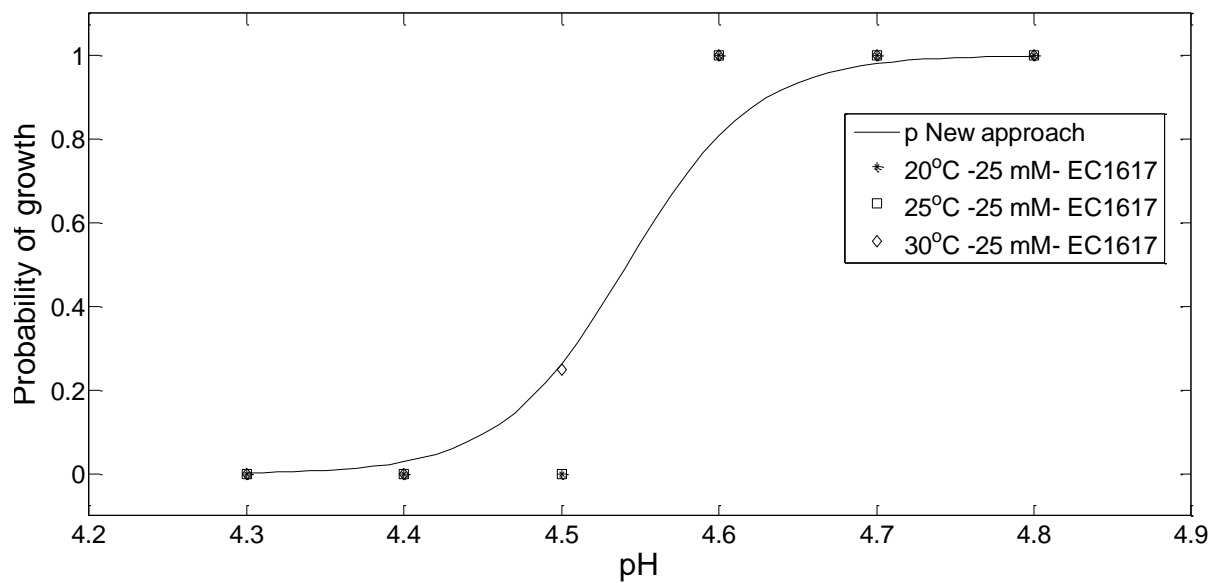
<b>AIC</b>	76.76
<b>Likelihood Ratio</b>	2.54E-32
<b>Log-Likelihood</b>	-35.38

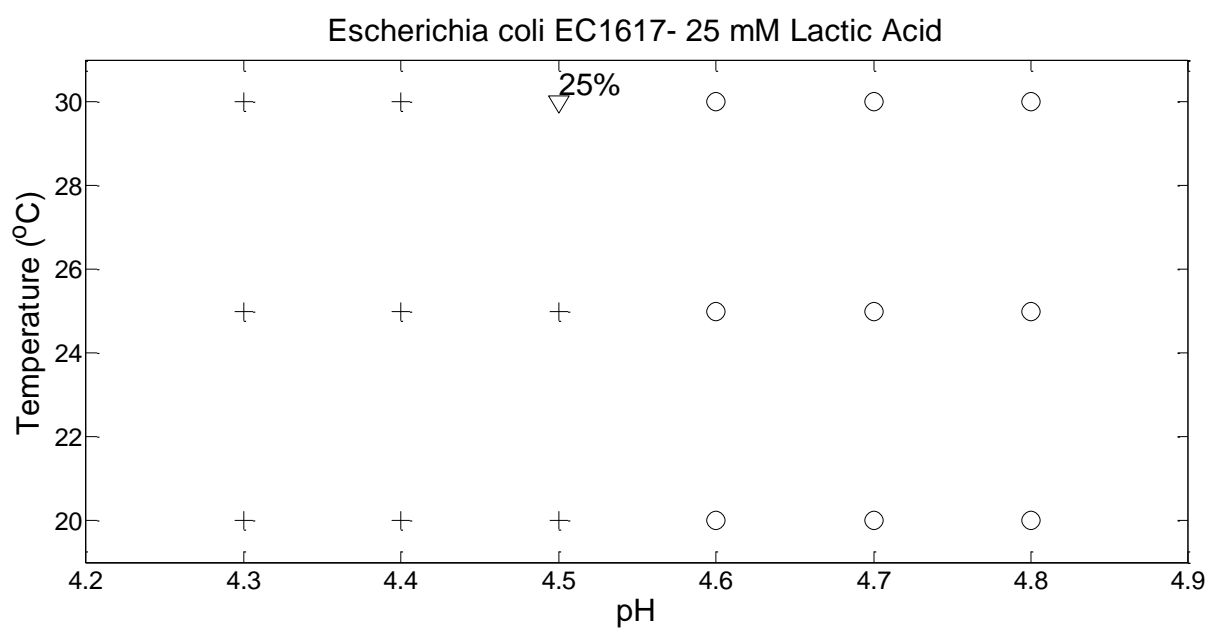
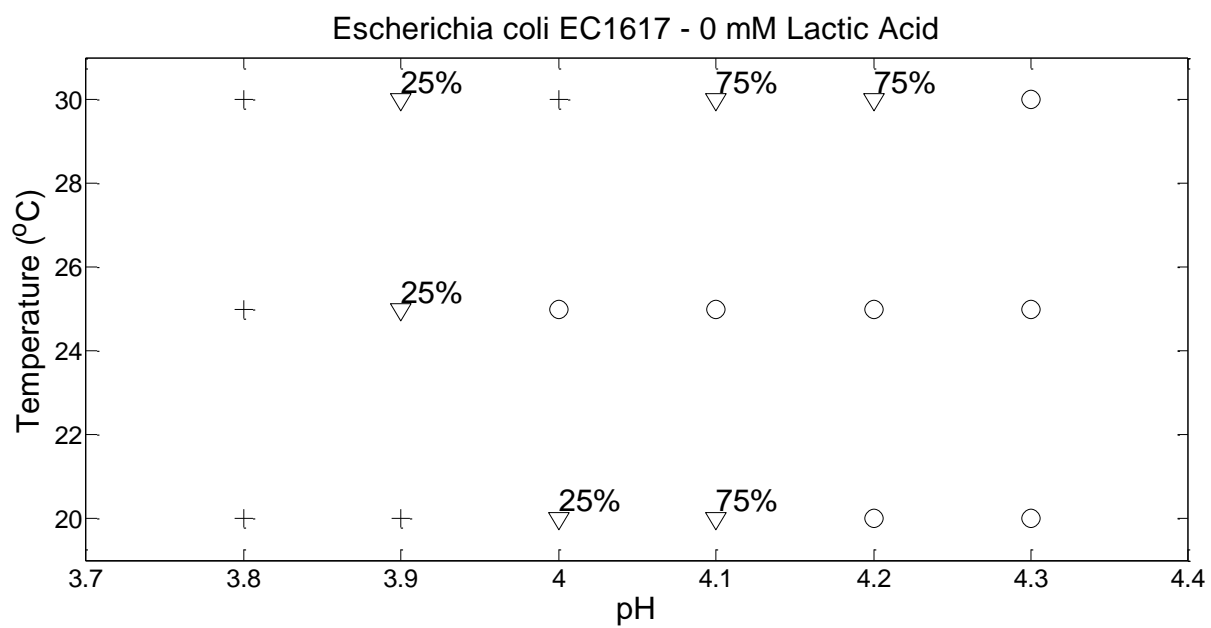


Escherichia coli EC1617 - 0 mM Lactic Acid



Escherichia coli EC1617 - 25 mM Lactic Acid





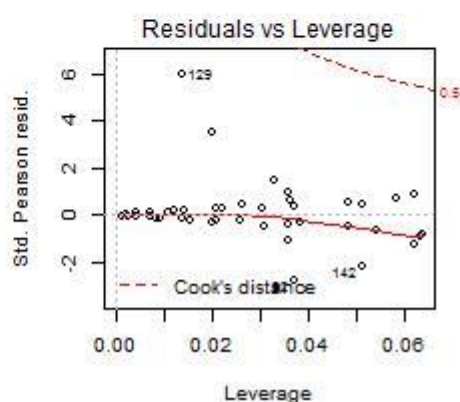
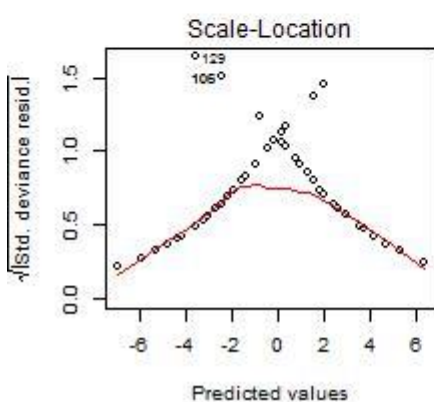
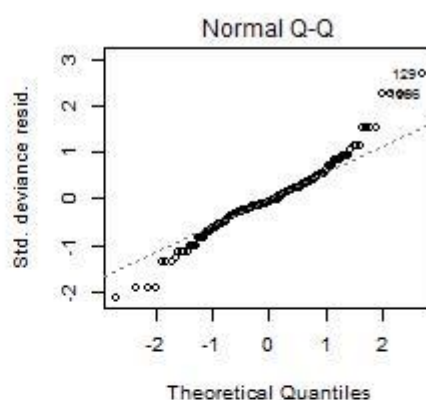
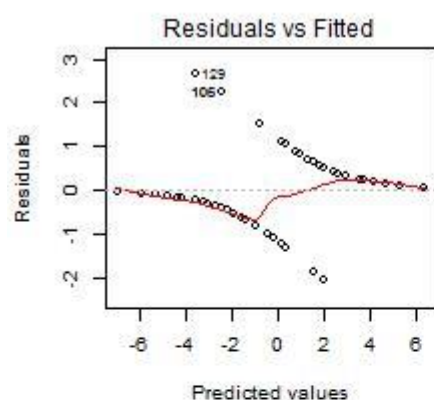


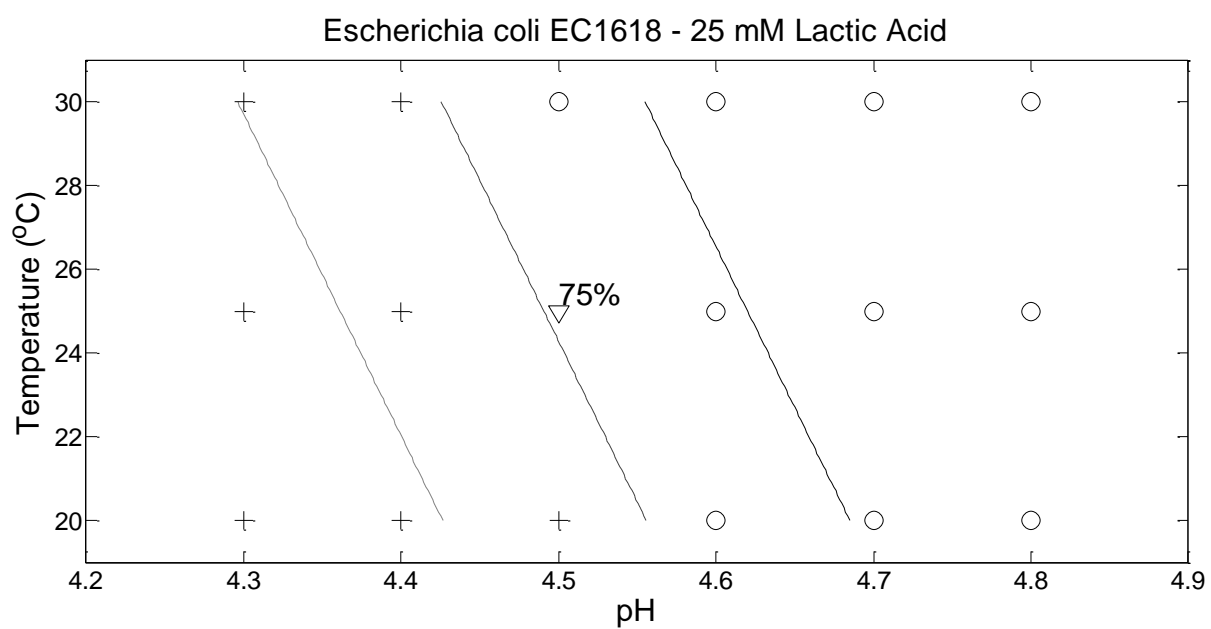
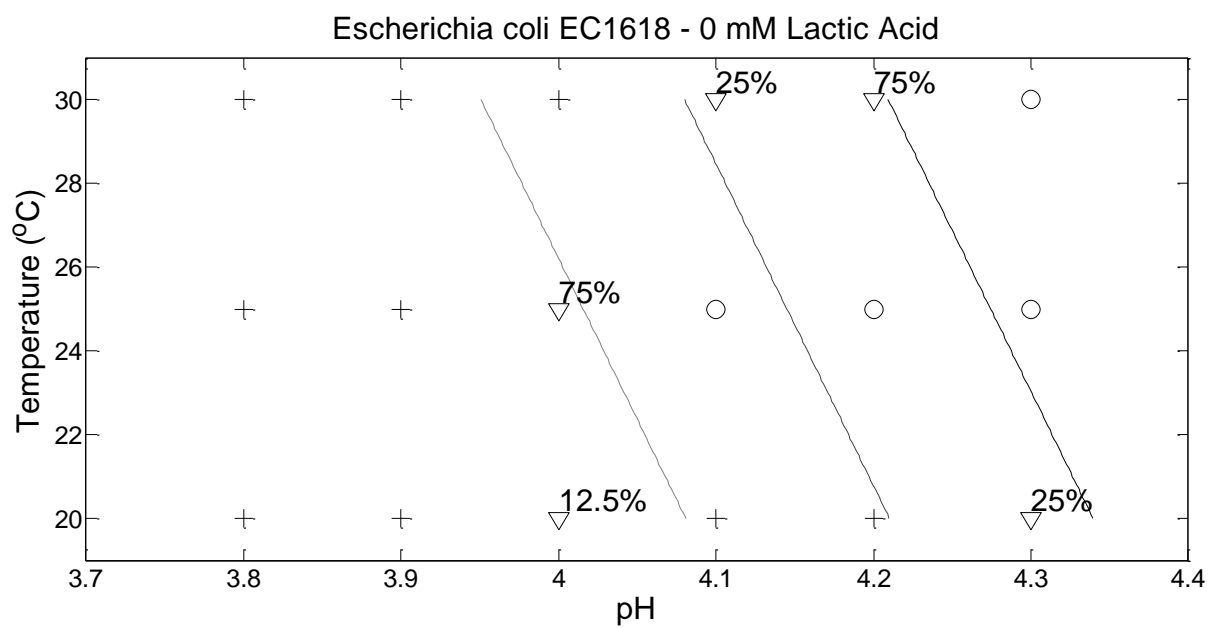
88. *E. coli* EC1618 CNF2, 33KH89 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-75.93	12.22	-6.22	0.00	-103.27	-54.82	0.00	0.00	0.00
pH	16.99	2.74	6.19	0.00	12.22	23.11	2.38E+07	2.03E+05	1.09E+10
LA	-0.23	0.05	-5.18	0.00	-0.33	-0.15	0.79	0.72	0.86
Temp	0.22	0.07	3.05	0.00	0.09	0.37	1.25	1.09	1.45

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	213.69	
pH	1	70.69	154	143.00	0.00
LA	1	42.69	153	100.30	0.00
Temp	1	10.97	152	89.33	0.00

<b>AIC</b>	97.33
<b>Likelihood Ratio</b>	8.89E-27
<b>Log-Likelihood</b>	-44.67



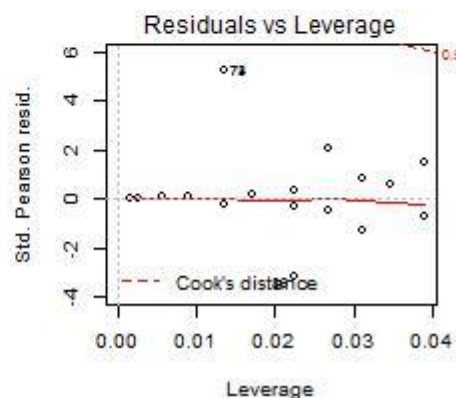
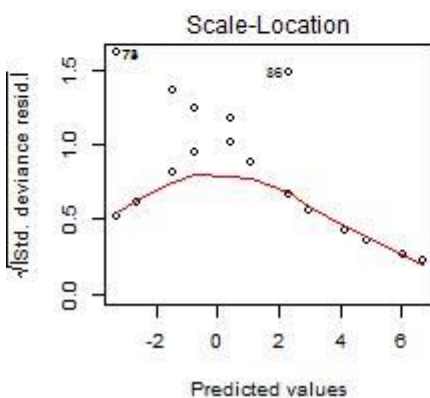
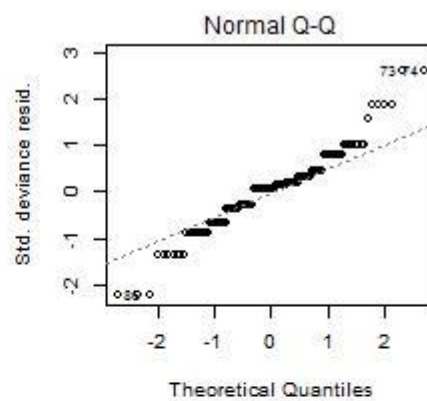
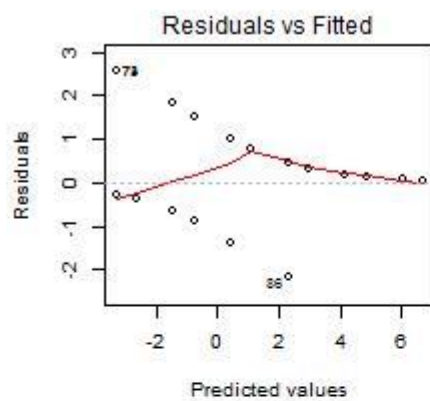


89. *E. coli* EC1619 CNF2,1404 (Prof. J. Mainil (Ulg, Liège, Belgium))

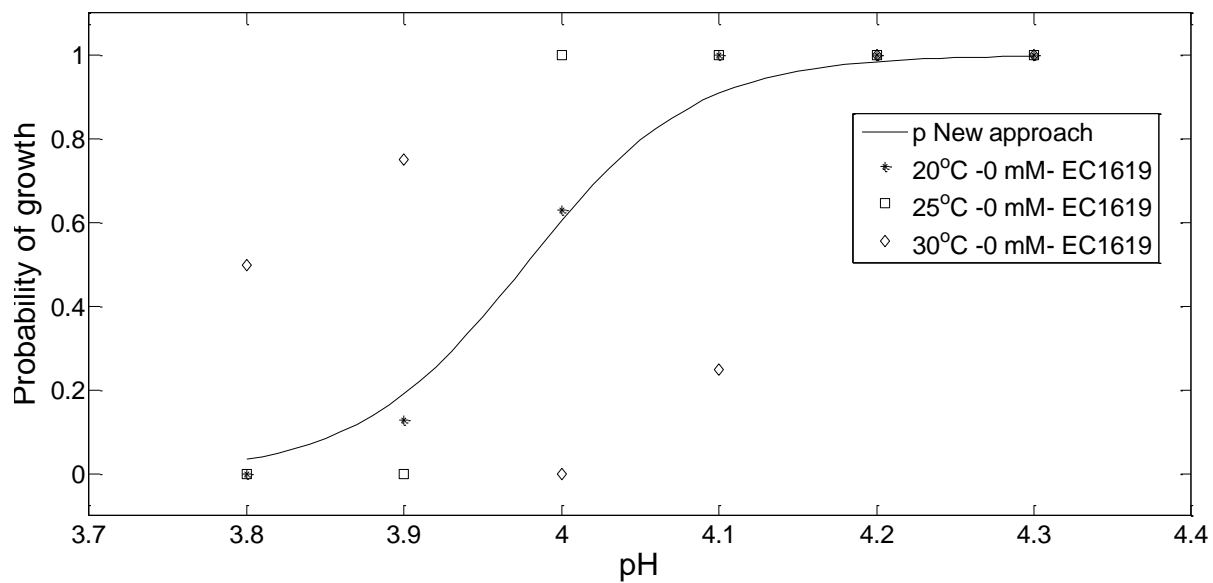
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-74.36	12.01	-6.19	0.00	-101.14	-53.57	0.00	0.00	0.00
pH	18.70	3.02	6.19	0.00	13.47	25.43	1.32E+08	7.07E+05	1.11E+11
LA	-0.35	0.06	-5.68	0.00	-0.48	-0.24	0.71	0.62	0.79

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	206.91	
pH	1	42.17	154	164.75	0.00
LA	1	72.82	153	91.92	0.00

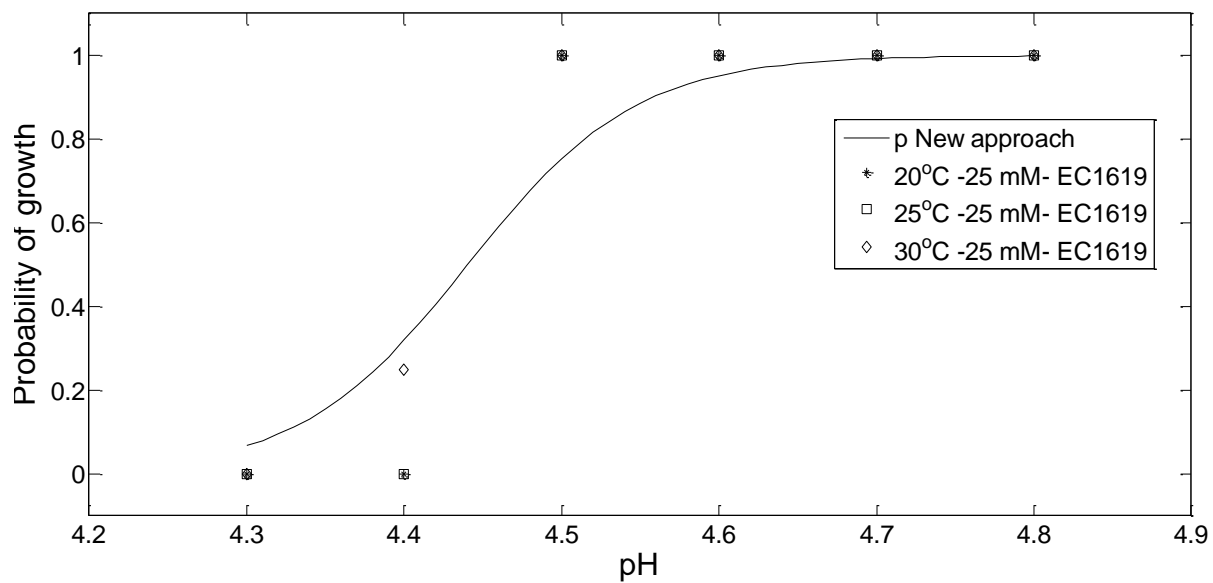
<b>AIC</b>	97.92
<b>Likelihood Ratio</b>	1.07E-25
<b>Log-Likelihood</b>	-45.96



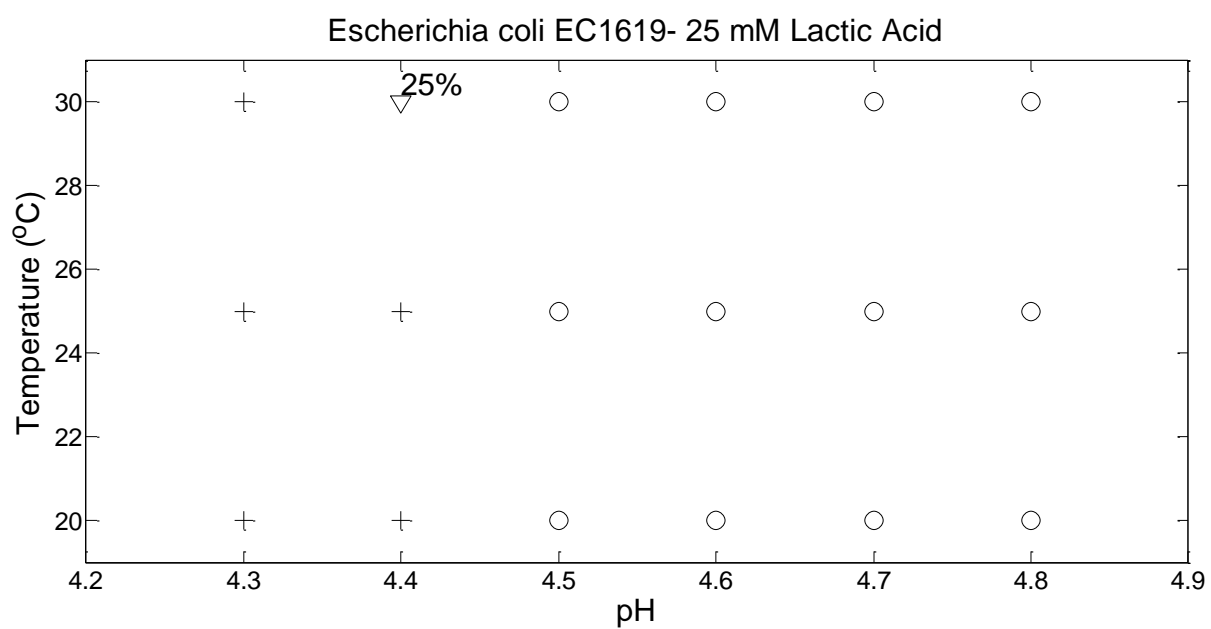
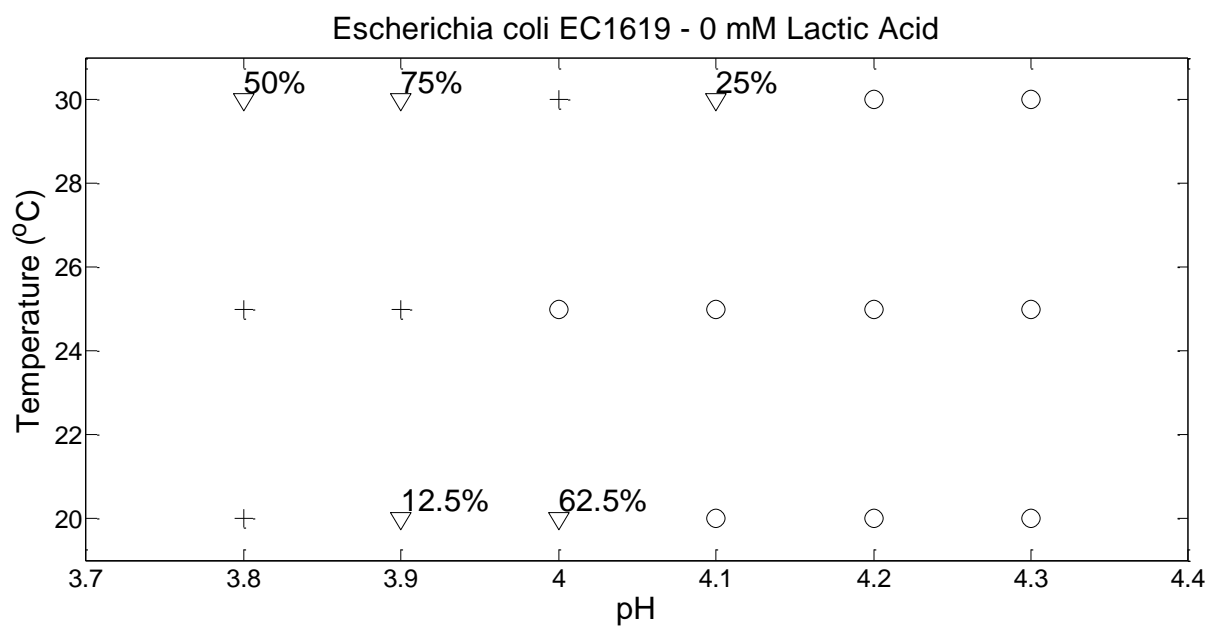
Escherichia coli EC1619 - 0 mM Lactic Acid



Escherichia coli EC1619 - 25 mM Lactic Acid







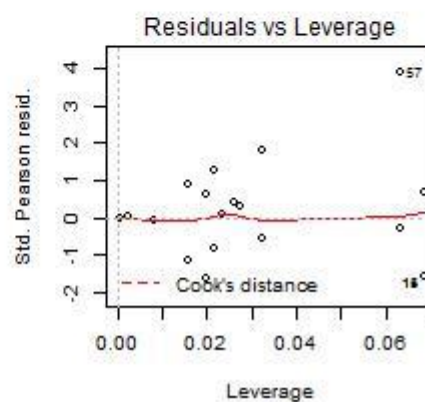
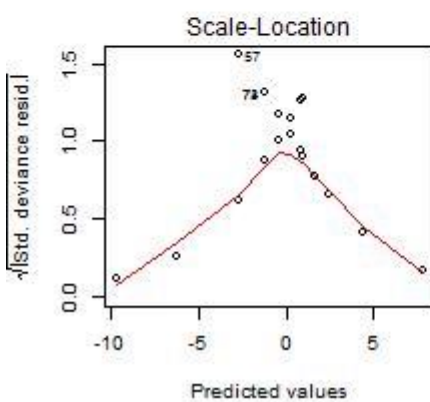
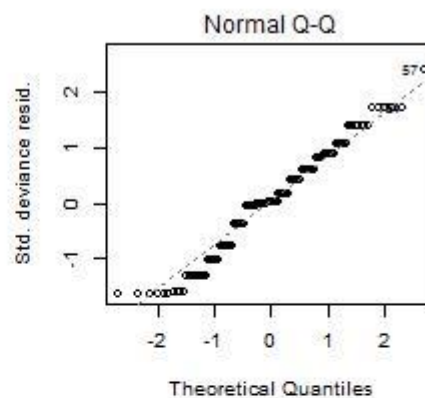
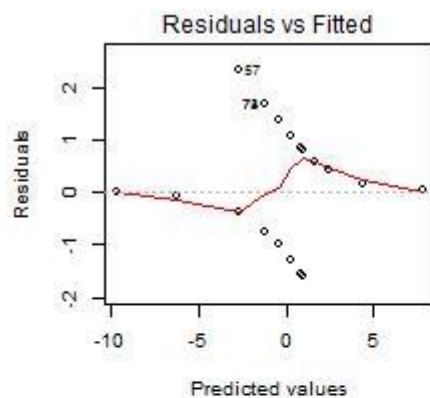


90. *E. coli* EC1620 CNF2,222KH89 (Prof. J. Mainil (Ulg, Liège, Belgium))

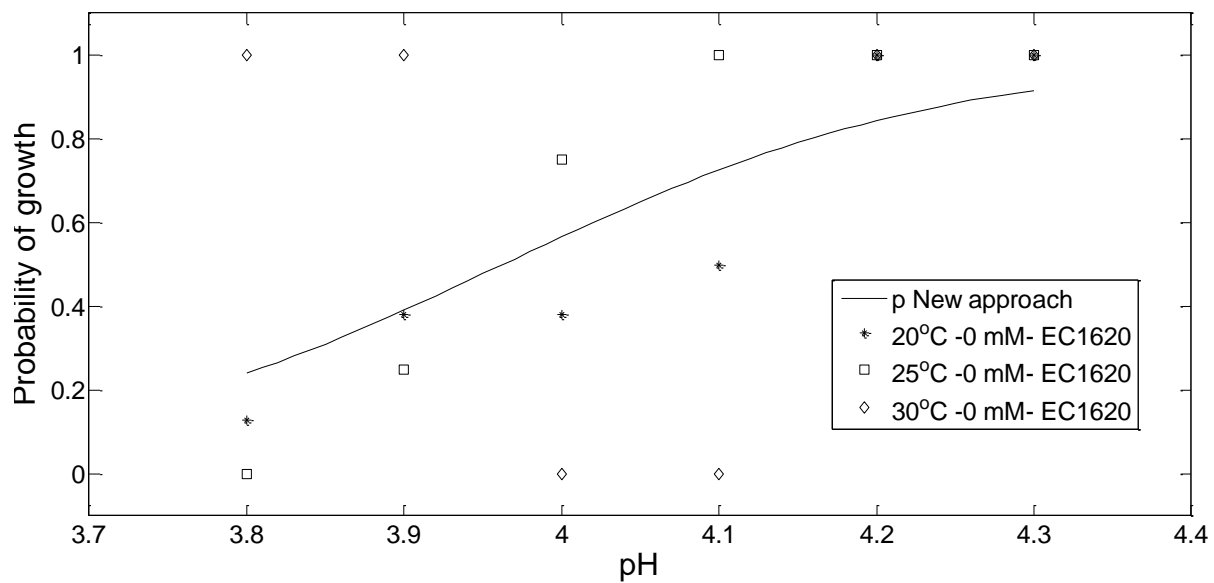
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-28.09	7.02	-4.00	0.00	-43.07	-15.27	0.00	0.00	0.00
pH	7.09	1.76	4.03	0.00	3.89	10.85	1.20E+03	4.87E+01	5.13E+04
LA	-5.27	1.95	-2.70	0.01	-10.69	-2.38	0.01	0.00	0.09
pH:LA	1.11	0.43	2.61	0.01	0.48	2.30	3.05	1.61	9.93

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	215.85	
pH	1	9.87	154	205.98	0.00
LA	1	71.71	153	134.27	0.00
pH:LA	1	19.26	152	115.01	0.00

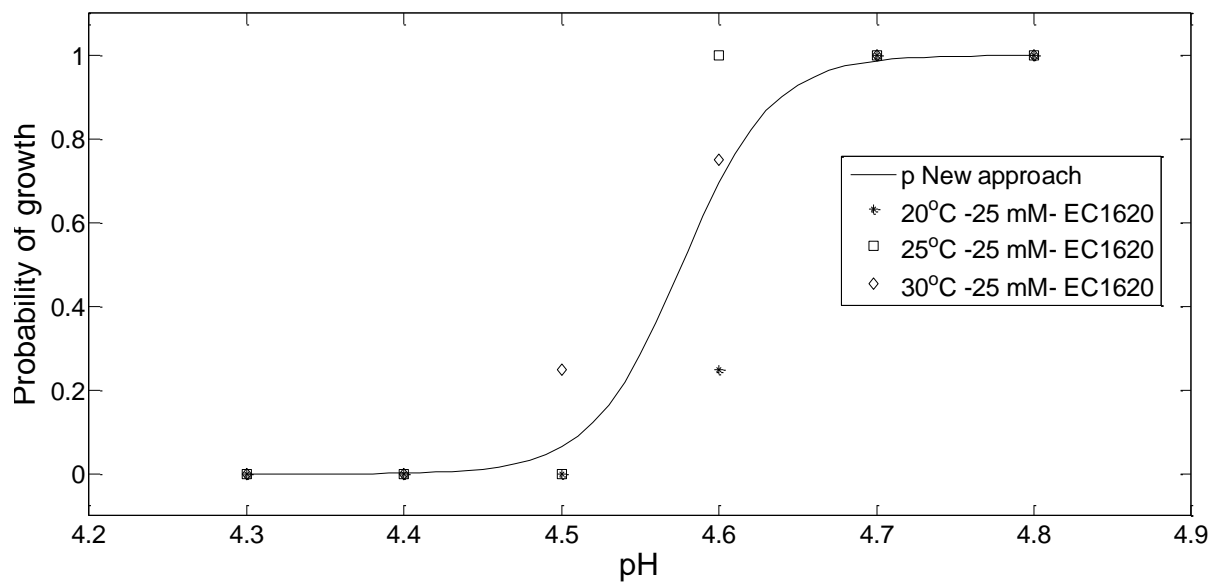
<b>AIC</b>	123.01
<b>Likelihood Ratio</b>	1.02E-21
<b>Log-Likelihood</b>	-57.50

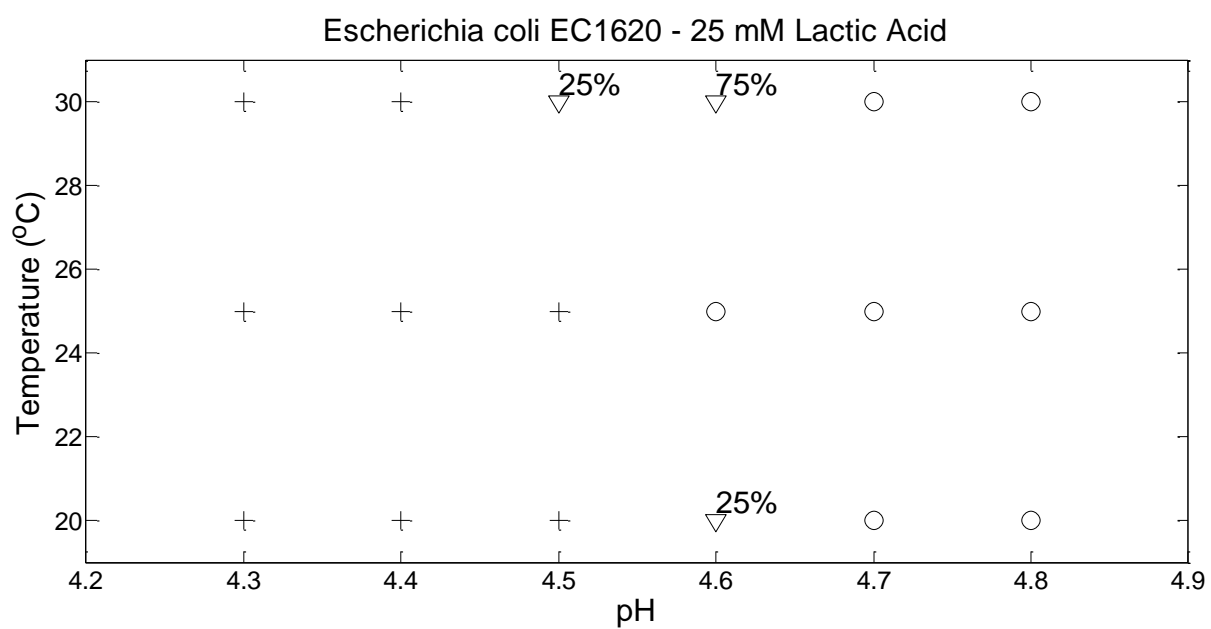
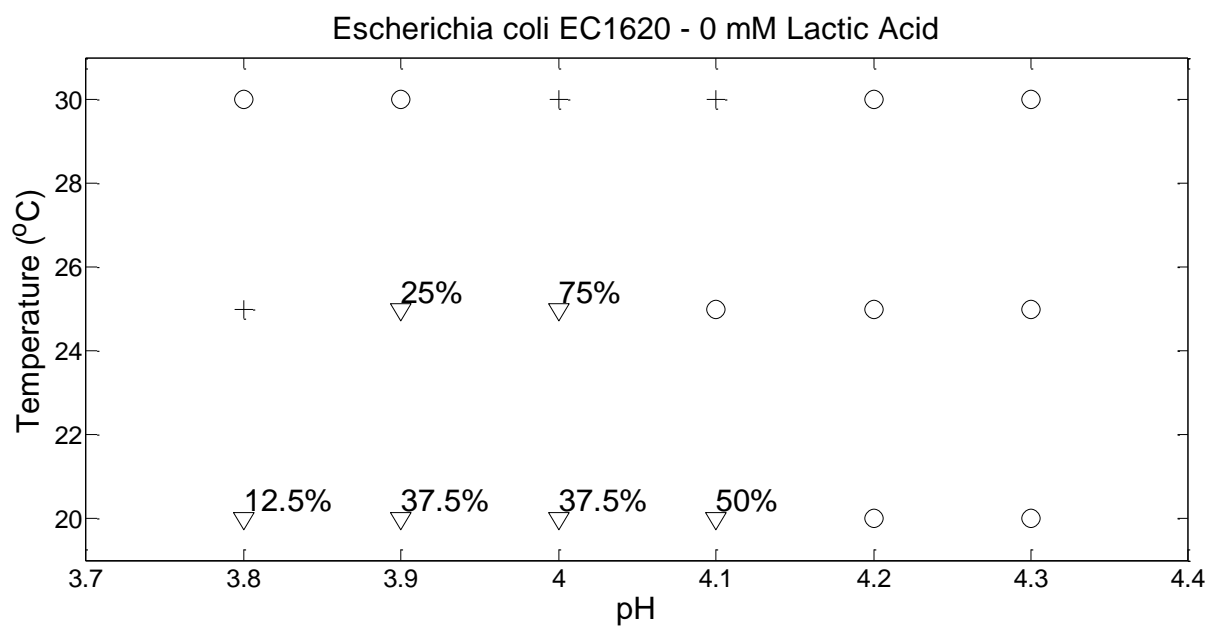


Escherichia coli EC1620 - 0 mM Lactic Acid



Escherichia coli EC1620 - 25 mM Lactic Acid





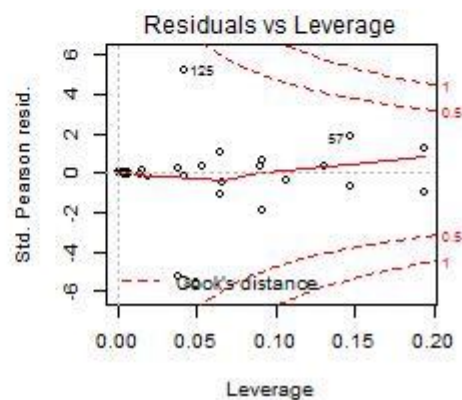
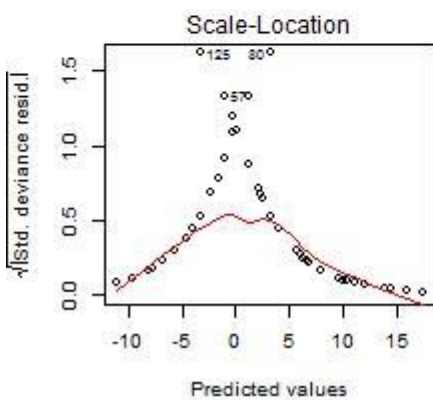
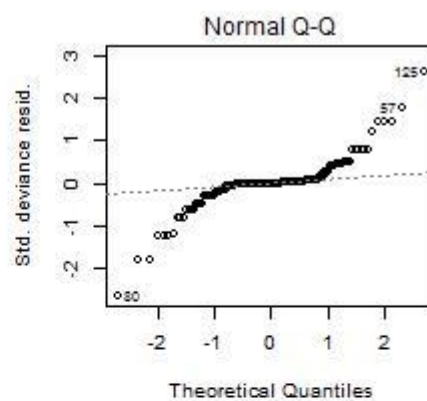
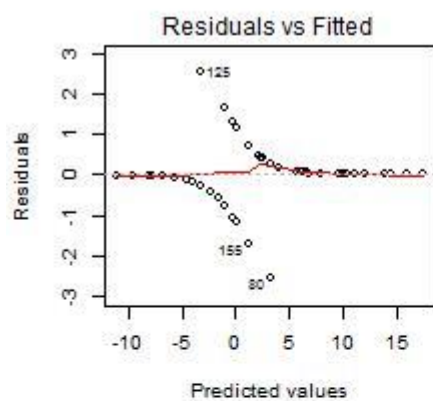


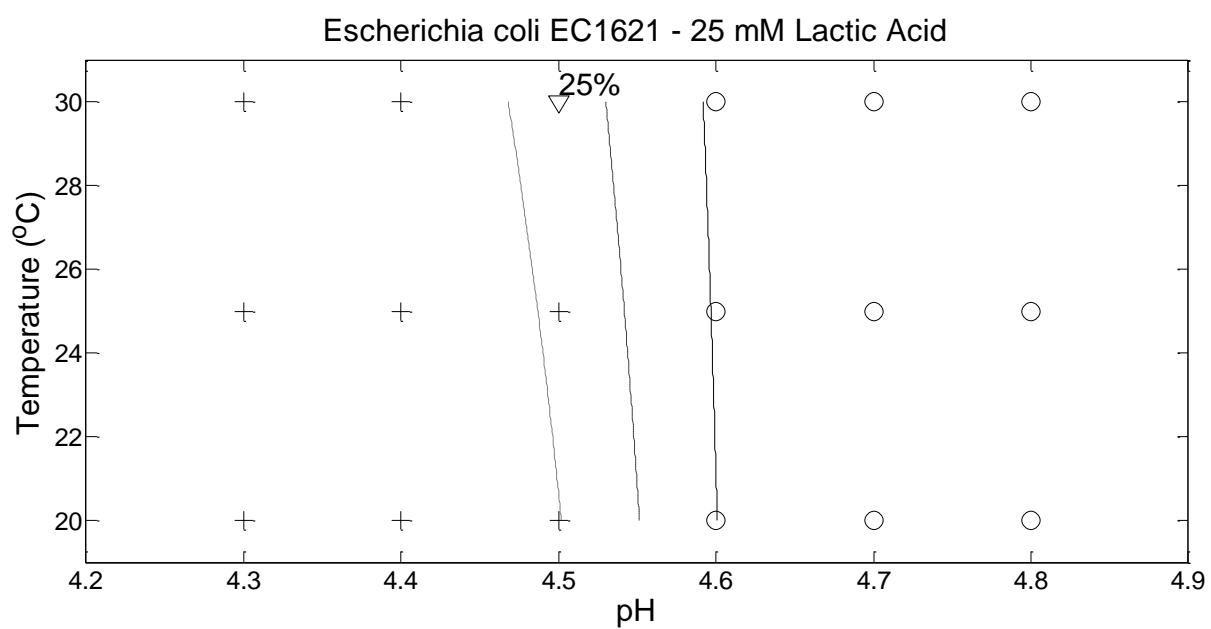
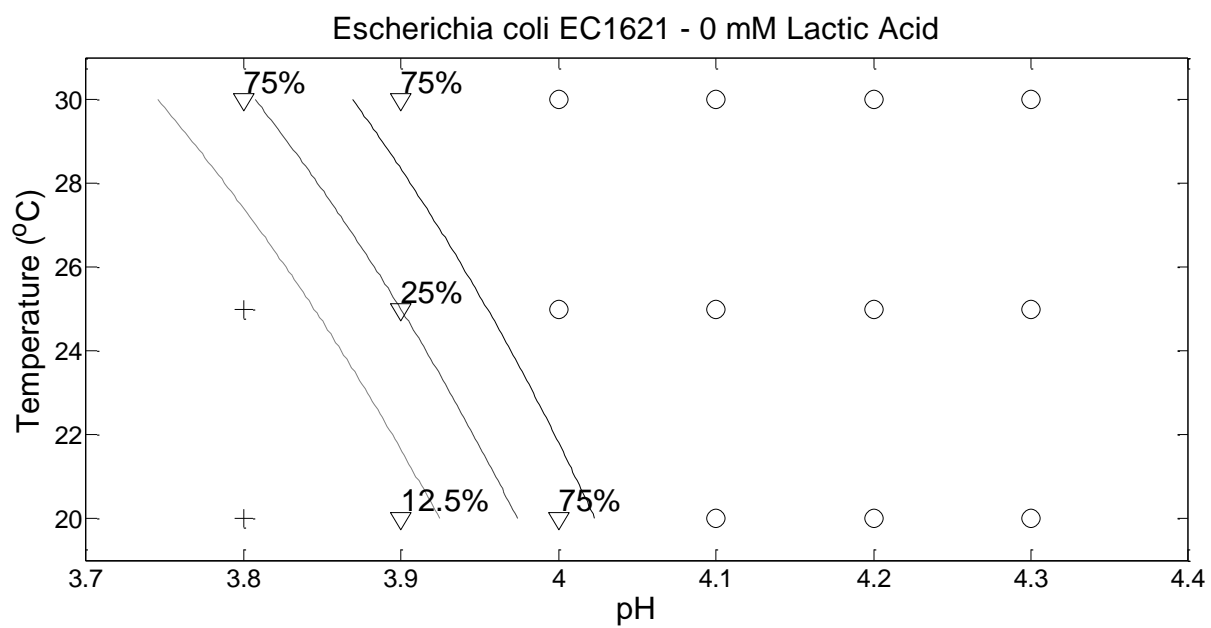
91. *E. coli* EC1621 Bovine NTEC II, B64 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-259.12	64.00	-4.05	0.00	-416.86	-155.90	0.00	0.00	0.00
pH	62.24	15.33	4.06	0.00	37.50	100.02	1.07E+27	1.93E+16	2.74E+43
LA	-1.03	0.22	-4.62	0.00	-1.57	-0.67	0.36	0.21	0.51
Temp	4.13	1.53	2.71	0.01	1.49	7.72	62.25	4.46	2257.94
pH:Temp	-0.89	0.35	-2.52	0.01	-1.72	-0.28	0.41	0.18	0.76

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	208.79	
pH	1	11.12	154	197.68	0.00
LA	1	130.43	153	67.25	0.00
Temp	1	14.43	152	52.81	0.00
pH:Temp	1	8.68	151	44.13	0.00

<b>AIC</b>	54.13
<b>Likelihood Ratio</b>	1.46E-34
<b>Log-Likelihood</b>	-22.07





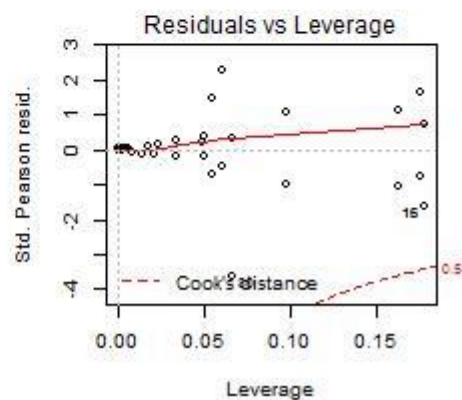
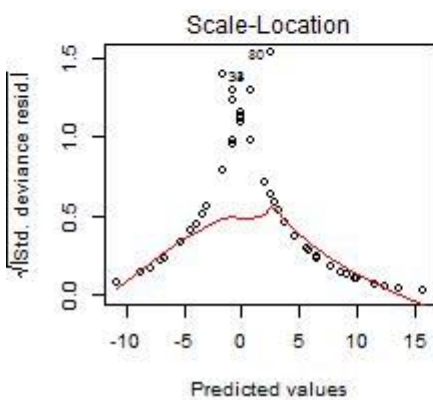
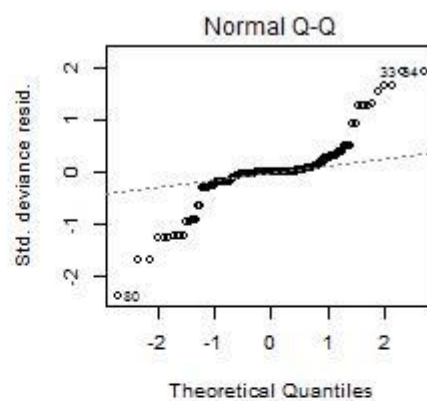
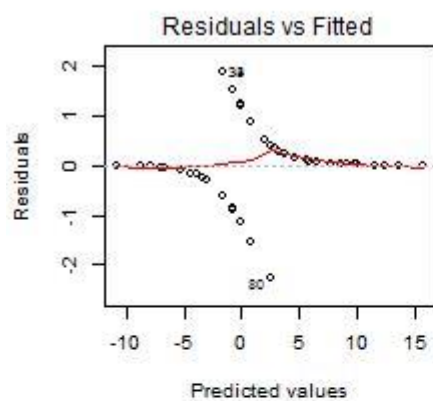


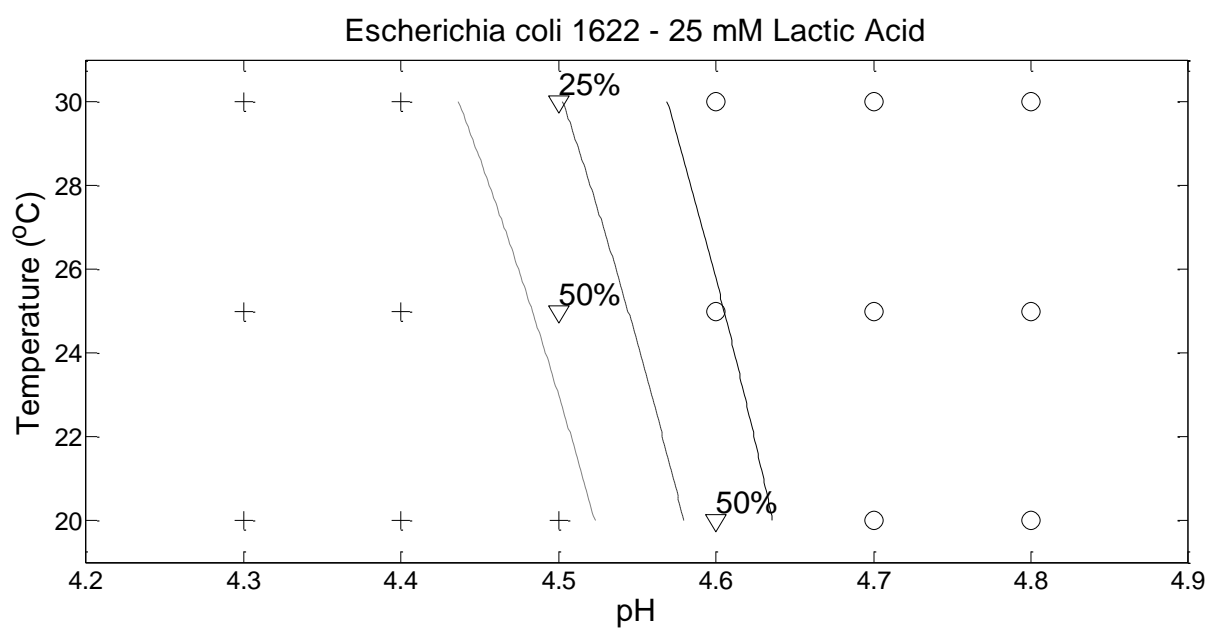
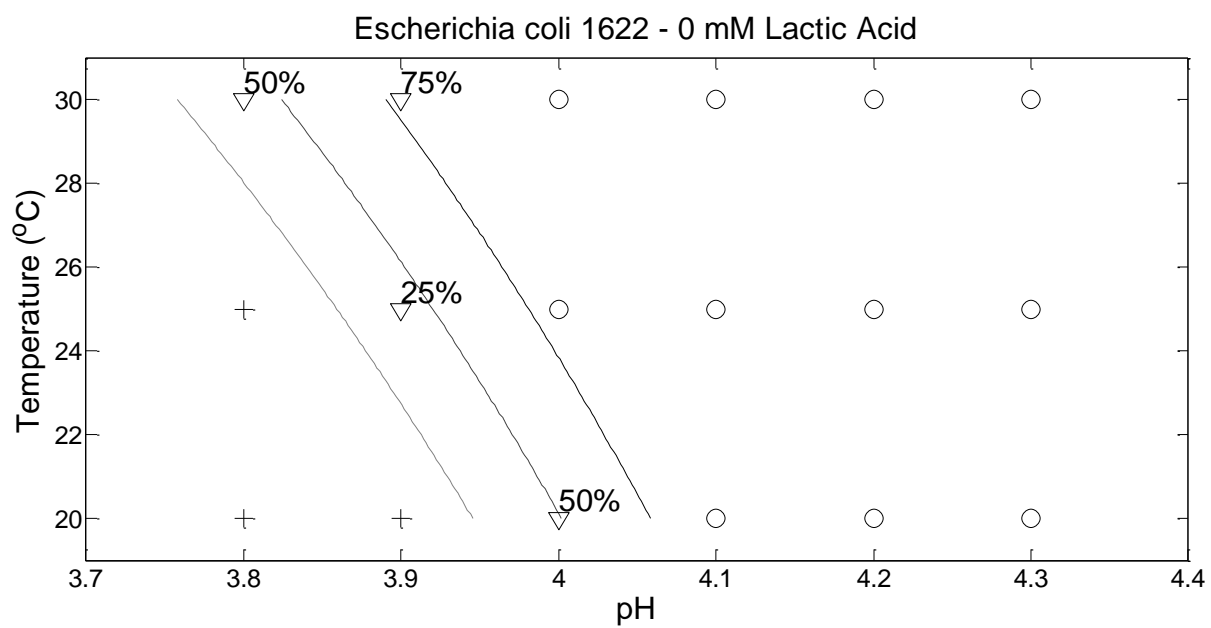
92. *E. coli* EC1622 Bovine NTEC II, B65 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-214.19	53.49	-4.00	0.00	-341.89	-125.93	0.00	0.00	0.00
pH	50.57	12.66	3.99	0.00	29.65	80.74	9.20E+21	7.54E+12	1.16E+35
LA	-0.90	0.20	-4.45	0.00	-1.41	-0.58	0.41	0.24	0.56
Temp	2.91	1.28	2.28	0.02	0.56	5.66	18.40	1.74	286.14
pH:Temp	-0.58	0.29	-1.97	0.05	-1.21	-0.03	0.56	0.30	0.97

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	211.91	
pH	1	15.53	154	196.38	0.00
LA	1	119.13	153	77.25	0.00
Temp	1	22.87	152	54.39	0.00
pH:Temp	1	4.29	151	50.10	0.04

<b>AIC</b>	60.10
<b>Likelihood Ratio</b>	5.97E-34
<b>Log-Likelihood</b>	-25.05



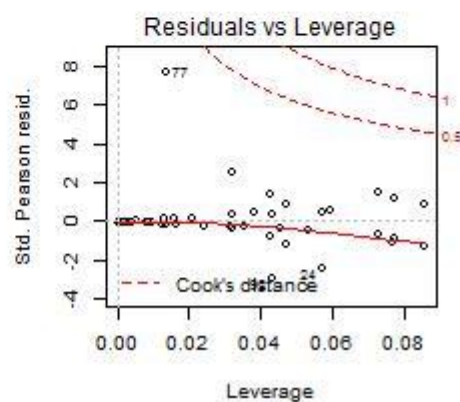
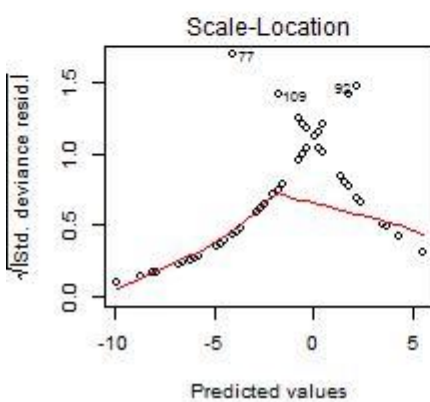
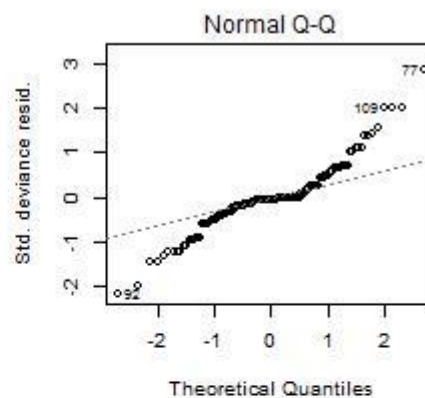
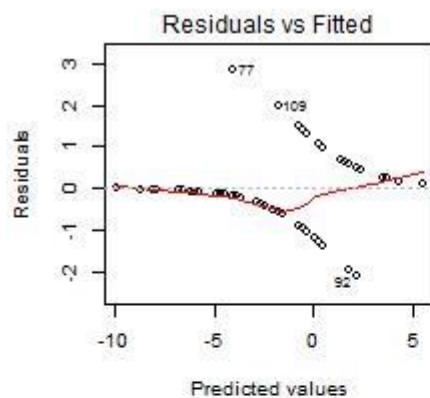


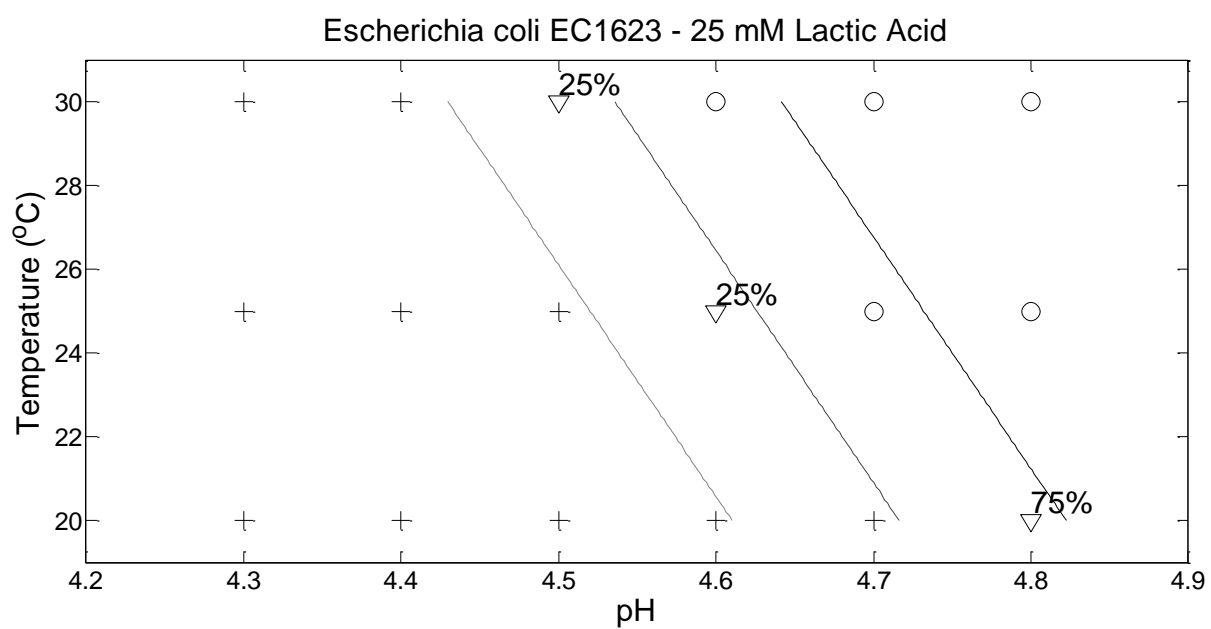
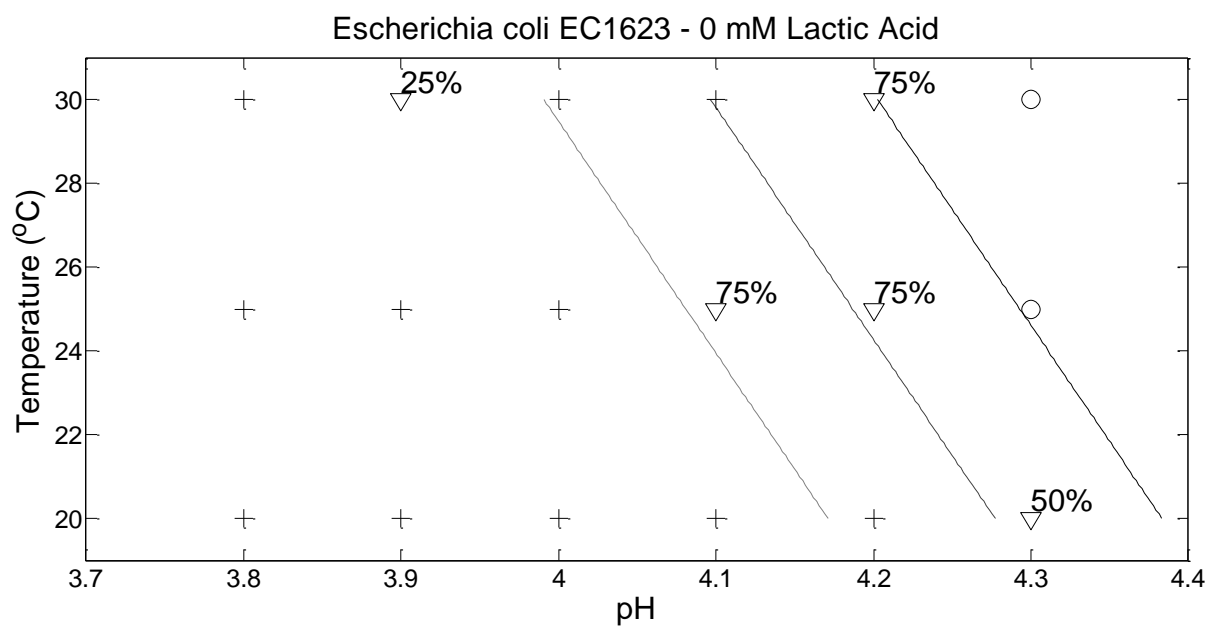
93. *E. coli* EC1623 Bovine NTEC II, B56 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-96.13	17.26	-5.57	0.00	-135.69	-67.07	0.00	0.00	0.00
pH	20.73	3.75	5.53	0.00	14.39	29.29	1.00E+09	1.78E+06	5.23E+12
LA	-0.36	0.07	-5.12	0.00	-0.52	-0.24	0.69	0.59	0.78
Temp	0.37	0.10	3.91	0.00	0.20	0.58	1.45	1.23	1.79

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	190.93	
pH	1	42.23	154	148.70	0.00
LA	1	53.99	153	94.71	0.00
Temp	1	23.05	152	71.65	0.00

<b>AIC</b>	79.65
<b>Likelihood Ratio</b>	1.11E-25
<b>Log-Likelihood</b>	-35.83



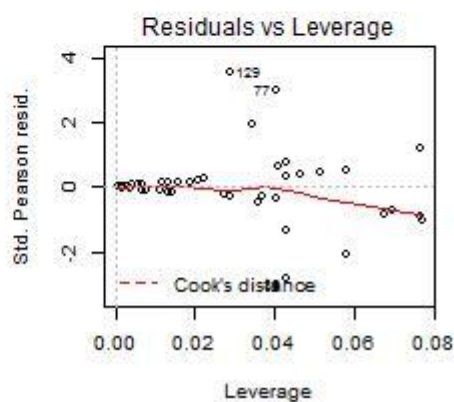
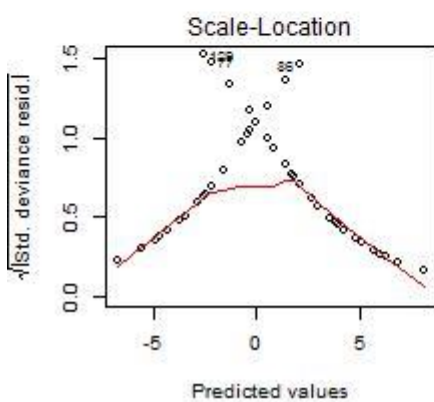
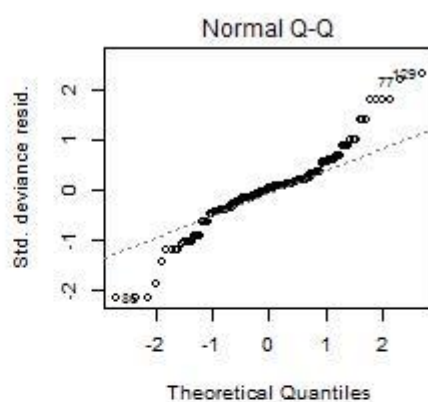
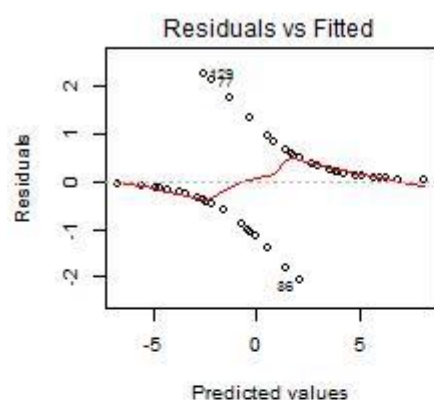


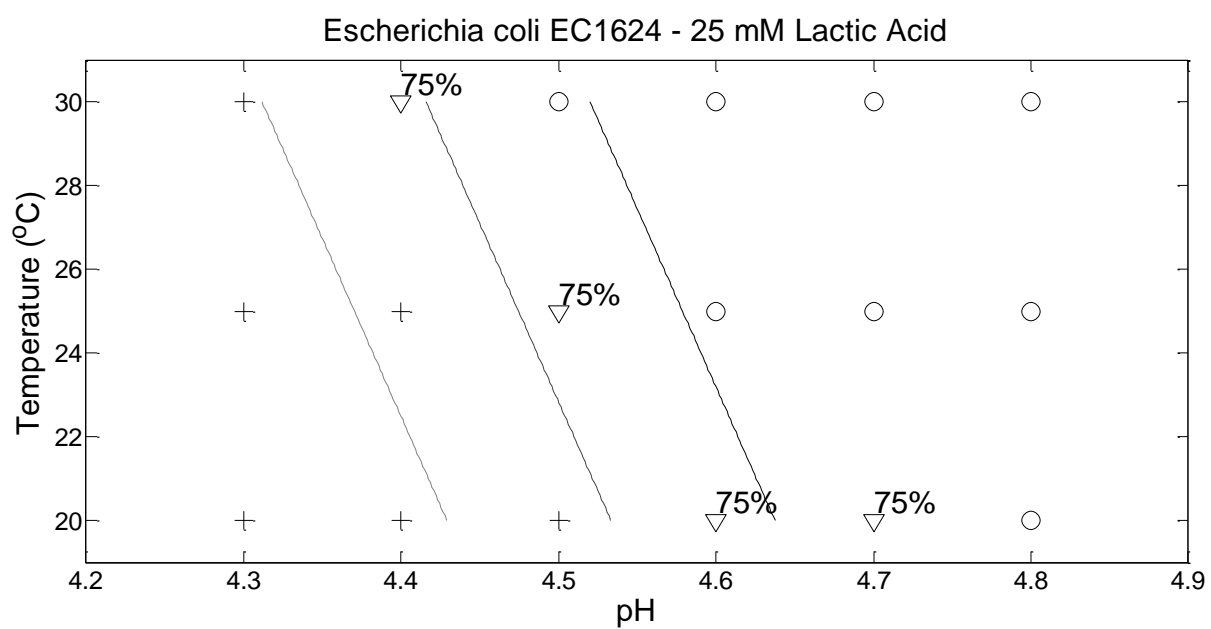
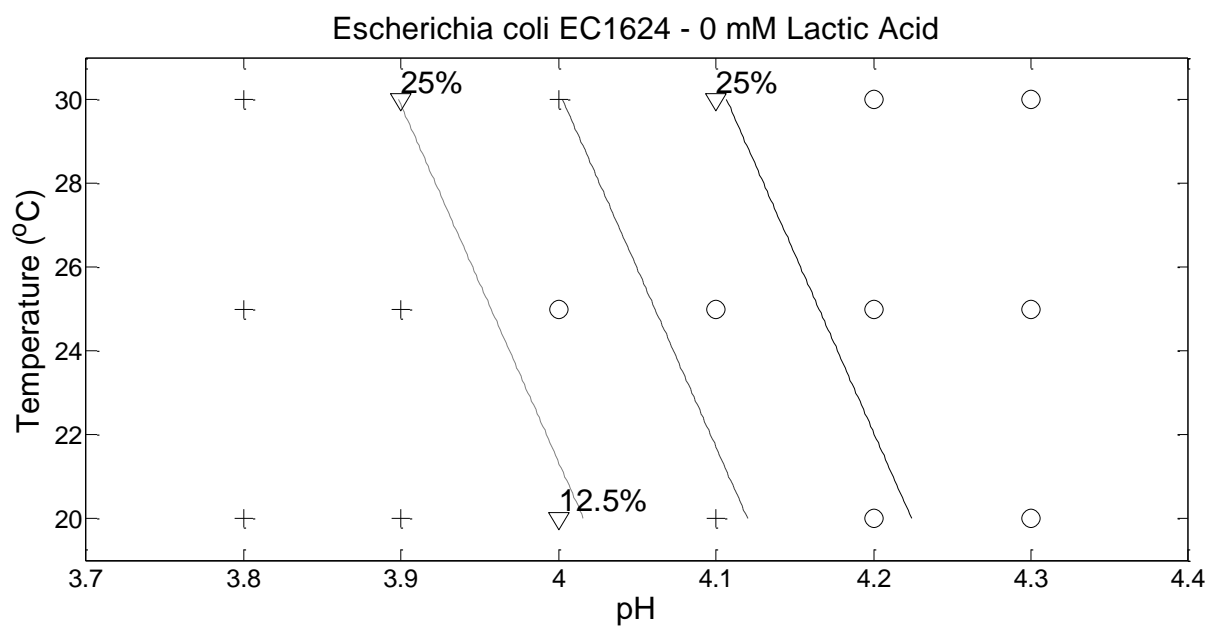
94. *E. coli* EC1624 Bovine NTEC II, B60 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-91.87	15.17	-6.05	0.00	-126.36	-66.05	0.00	0.00	0.00
pH	21.10	3.49	6.04	0.00	15.14	29.03	1.45E+09	3.76E+06	4.06E+12
LA	-0.35	0.06	-5.48	0.00	-0.49	-0.24	0.71	0.61	0.79
Temp	0.25	0.08	3.10	0.00	0.10	0.42	1.28	1.11	1.52

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	216.16	
pH	1	60.94	154	155.21	0.00
LA	1	67.36	153	87.86	0.00
Temp	1	11.69	152	76.17	0.00

<b>AIC</b>	84.17
<b>Likelihood Ratio</b>	3.8E-30
<b>Log-Likelihood</b>	-38.08



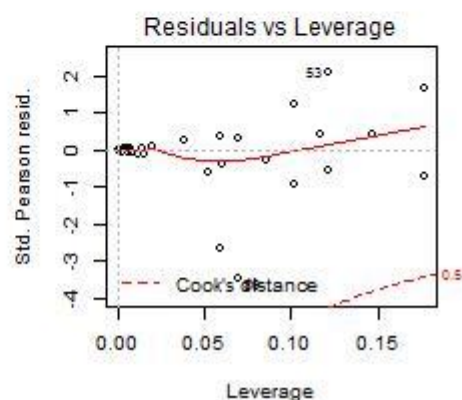
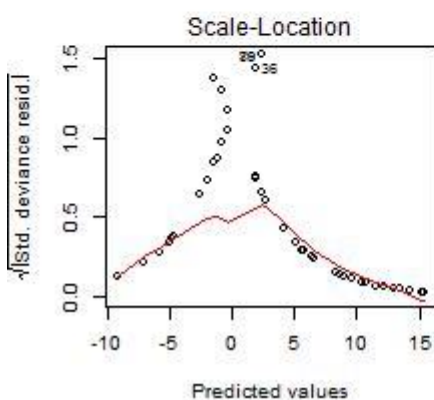
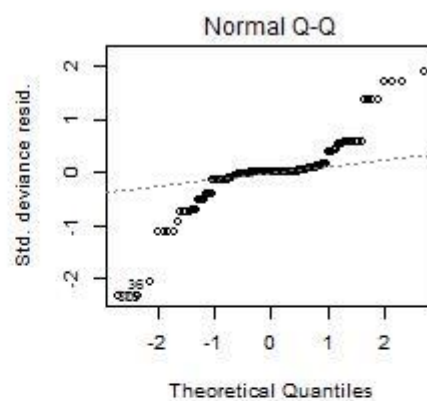
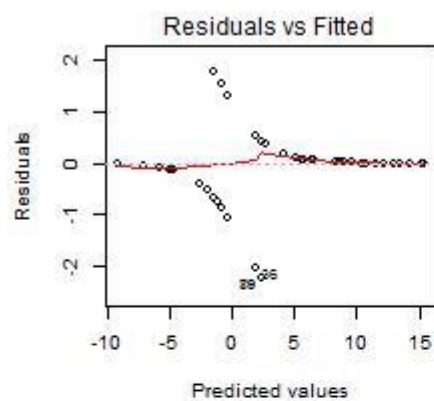


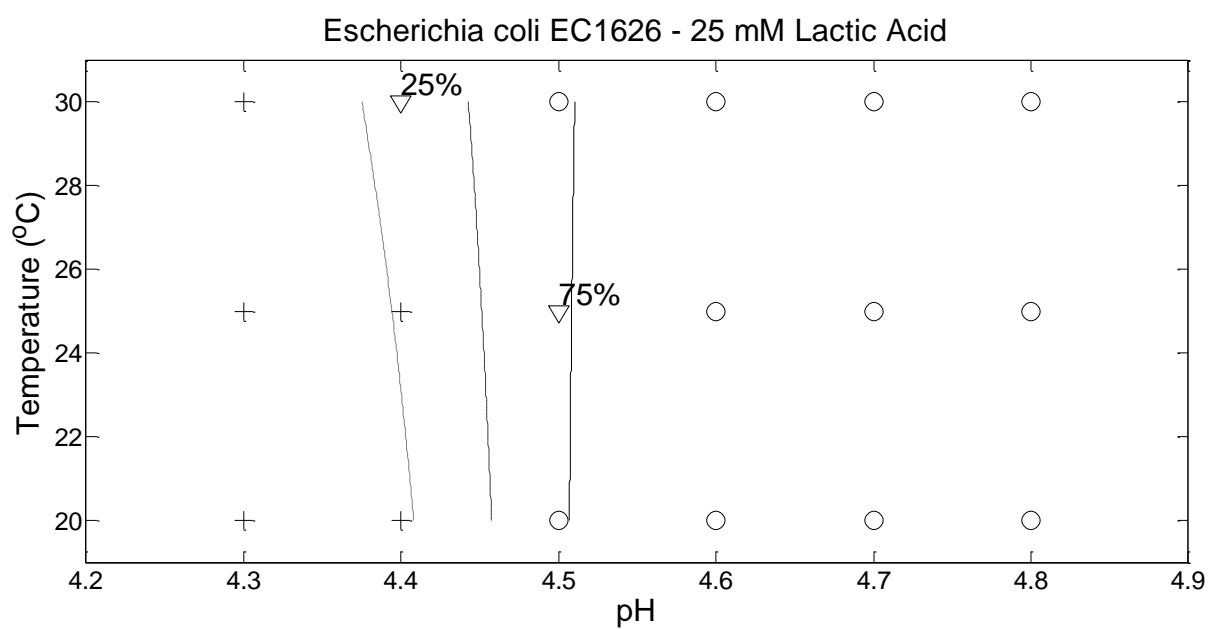
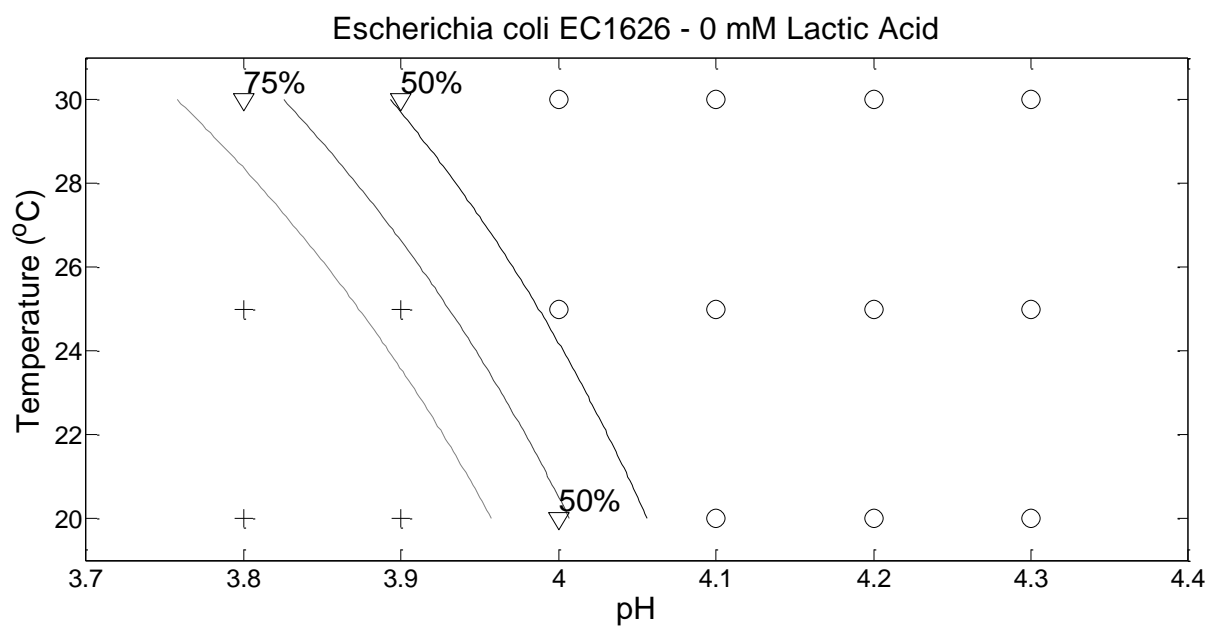
**95. *E.coli* EC1626 Bovine NTEC II, C1845 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-286.34	69.53	-4.12	0.00	-451.07	-171.40	0.00	0.00	0.00
pH	68.52	16.70	4.10	0.00	40.93	108.19	5.73E+29	5.97E+17	9.66E+46
LA	-0.80	0.18	-4.50	0.00	-1.23	-0.52	0.45	0.29	0.60
Temp	5.40	1.79	3.03	0.00	2.28	9.51	222.31	9.78	1.35E+04
pH:Temp	-1.20	0.42	-2.87	0.00	-2.17	-0.47	0.30	0.11	0.63

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	202.49	
pH	1	33.85	154	168.65	0.00
LA	1	95.57	153	73.08	0.00
Temp	1	15.59	152	57.49	0.00
pH:Temp	1	11.36	151	46.13	0.00

<b>AIC</b>	56.13
<b>Likelihood Ratio</b>	8.82E-33
<b>Log-Likelihood</b>	-23.07





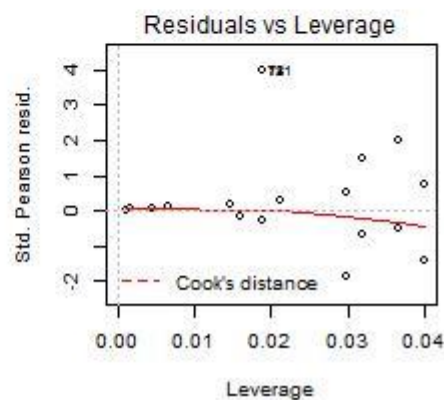
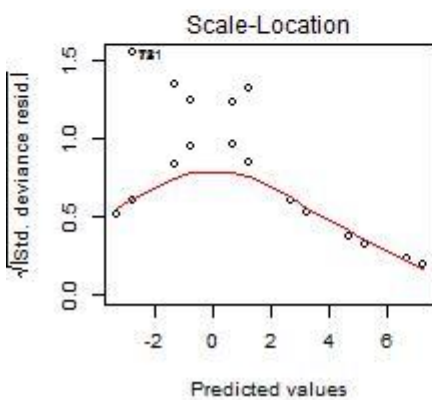
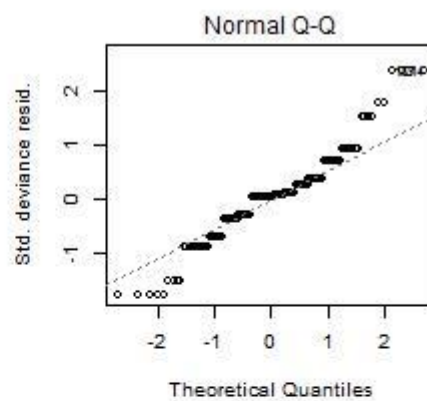
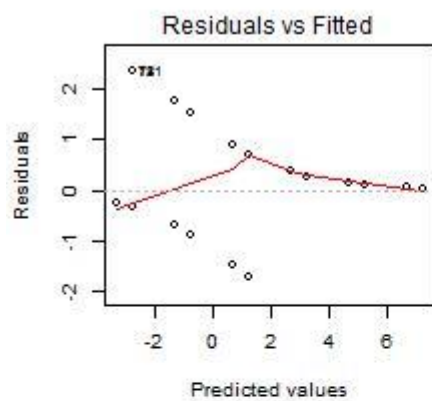


**96. *E.coli* EC1628 Bovine NTEC II, 44KH90 (Prof. J. Mainil (Ulg, Liège, Belgium))**

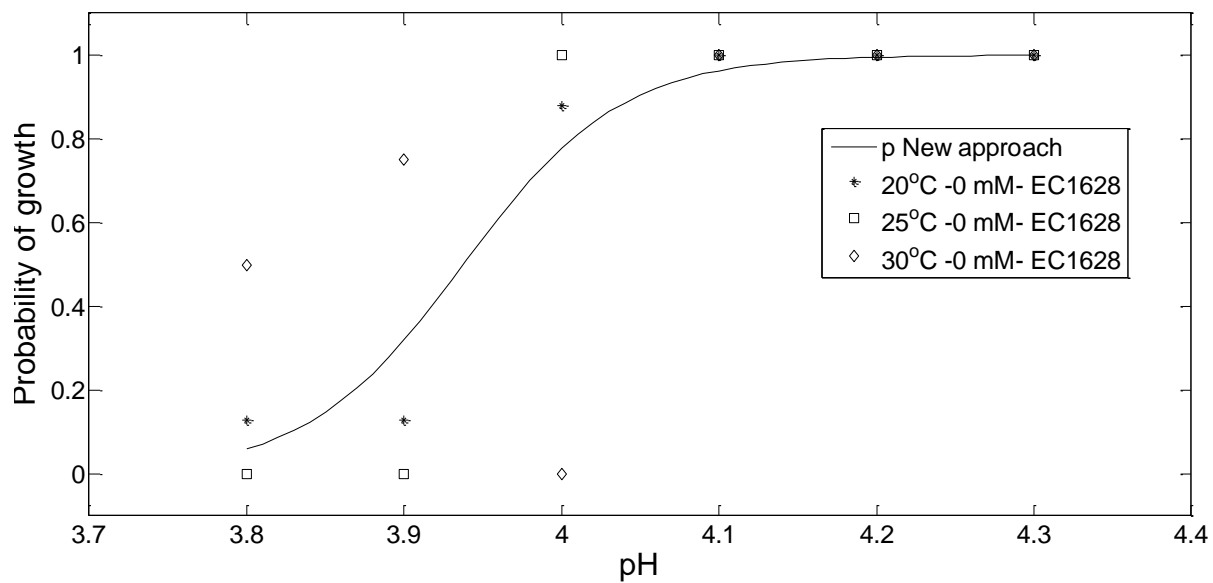
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-78.94	12.95	-6.10	0.00	-107.83	-56.57	0.00	0.00	0.00
pH	20.05	3.29	6.10	0.00	14.37	27.38	5.09E+08	1.75E+06	7.81E+11
LA	-0.42	0.07	-5.79	0.00	-0.59	-0.30	0.65	0.56	0.74

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			155	203.68	
pH	1	26.66	154	177.02	0.00
LA	1	89.60	153	87.41	0.00

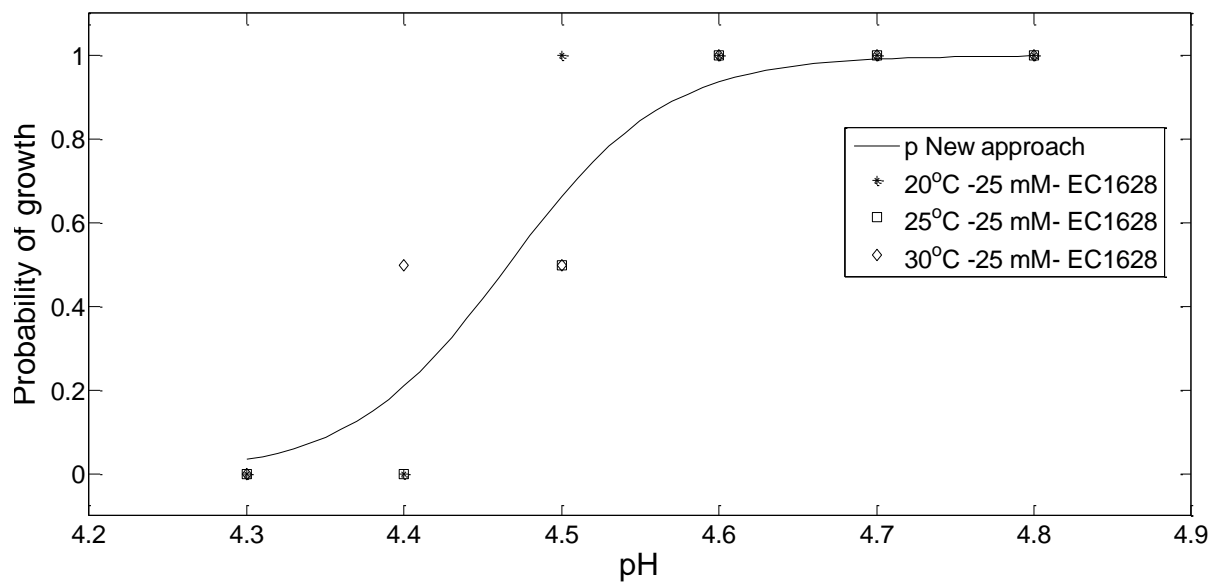
<b>AIC</b>	93.41
<b>Likelihood Ratio</b>	5.66E-26
<b>Log-Likelihood</b>	-43.71

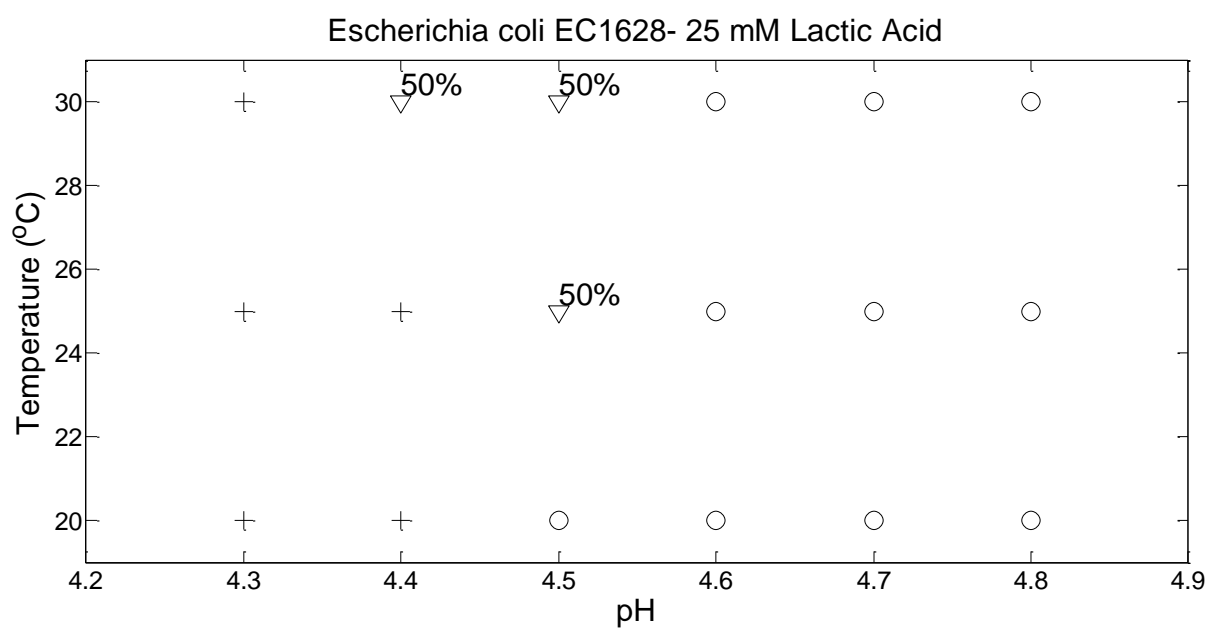
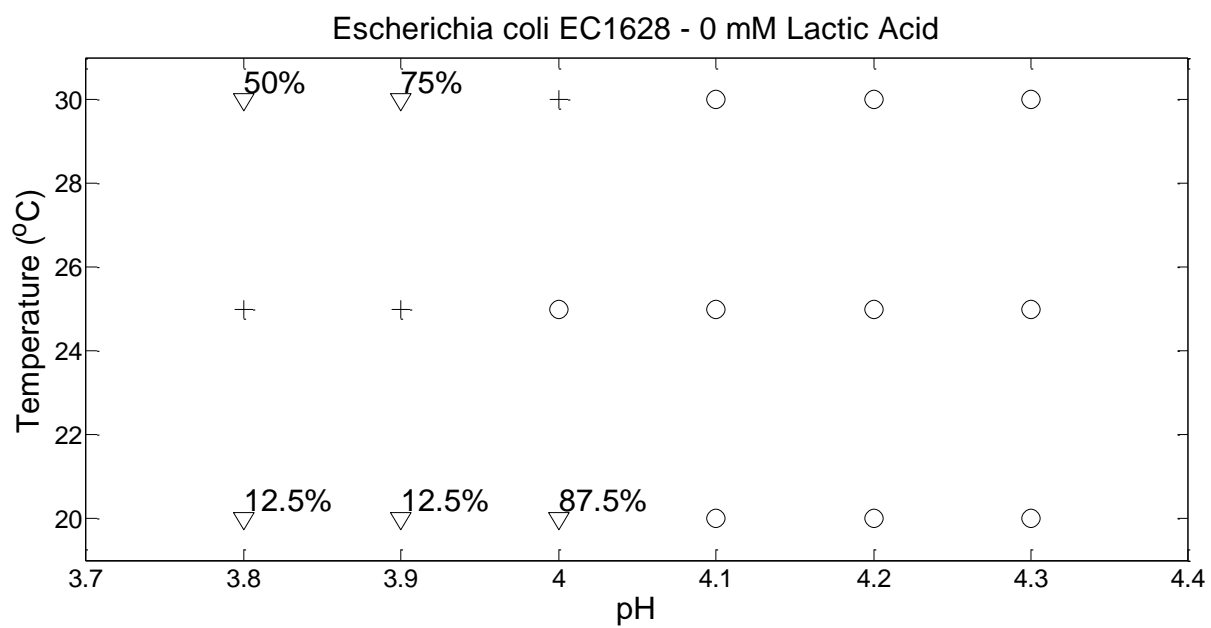


Escherichia coli EC1628 - 0 mM Lactic Acid



Escherichia coli EC1628 - 25 mM Lactic Acid





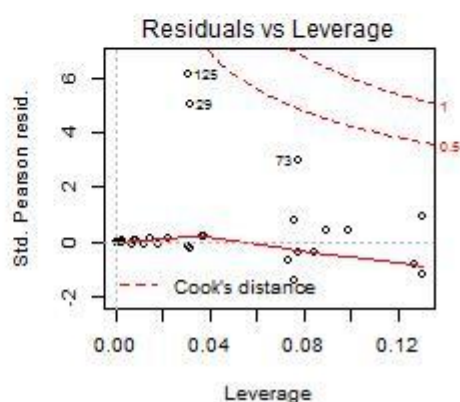
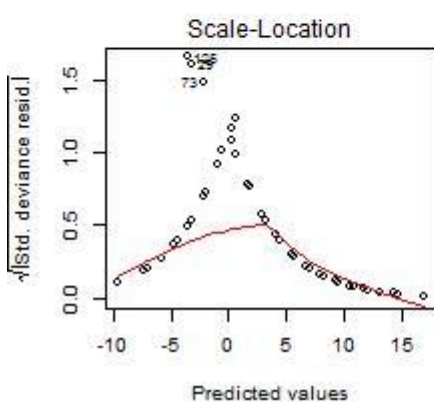
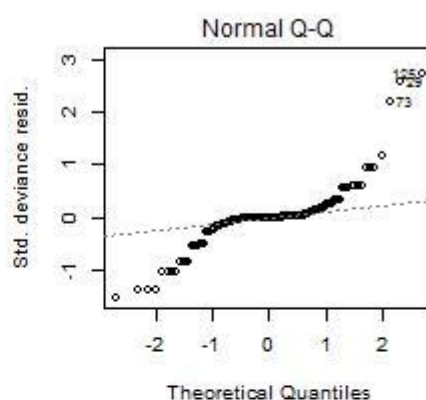
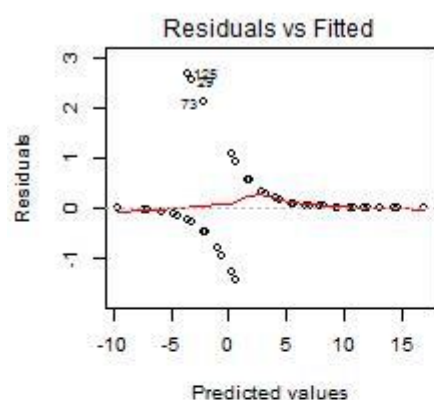


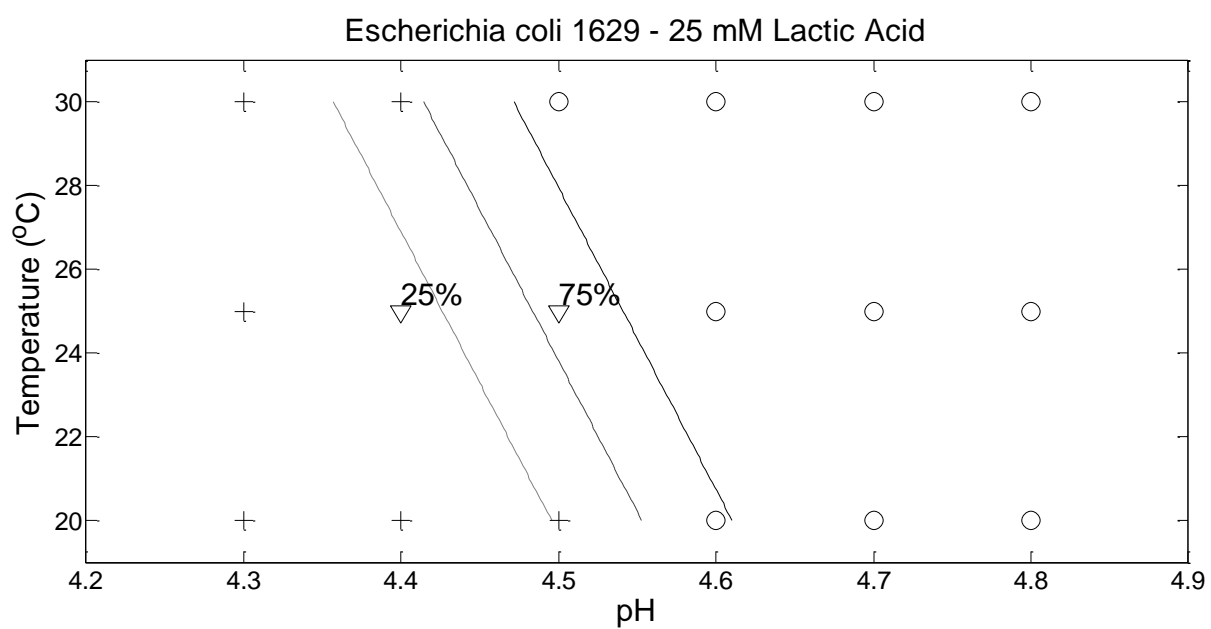
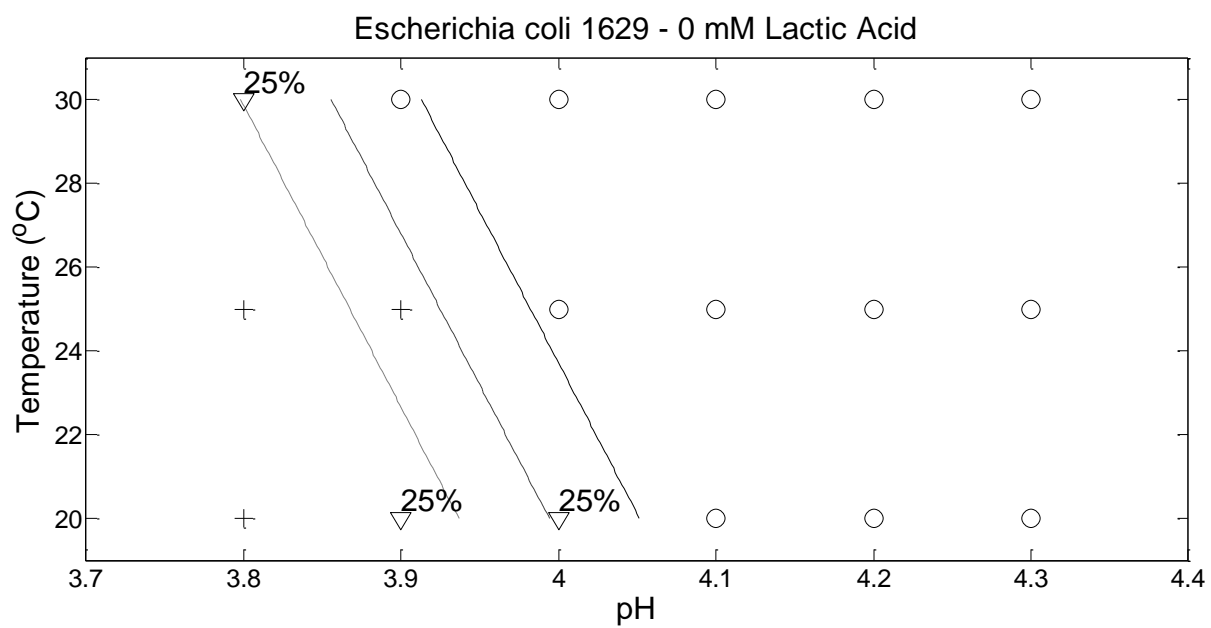
97. *E.coli* EC1629 Bovine NTEC II, 239KH89 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-163.67	36.82	-4.44	0.00	-253.80	-105.27	0.00	0.00	0.00
pH	38.32	8.59	4.46	0.00	24.68	59.26	4.39E+16	5.25E+10	5.46E+25
LA	-0.86	0.19	-4.39	0.00	-1.33	-0.55	0.42	0.26	0.58
Temp	0.53	0.16	3.39	0.00	0.27	0.91	1.70	1.31	2.49

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	17.82	142	166.86	0.00
LA	1	103.12	141	63.73	0.00
Temp	1	22.65	140	41.08	0.00

<b>AIC</b>	49.08
<b>Likelihood Ratio</b>	6.37E-31
<b>Log-Likelihood</b>	-20.54



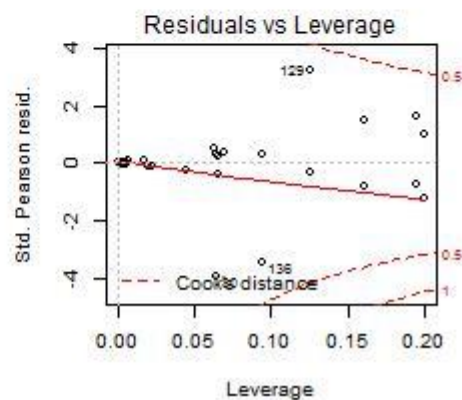
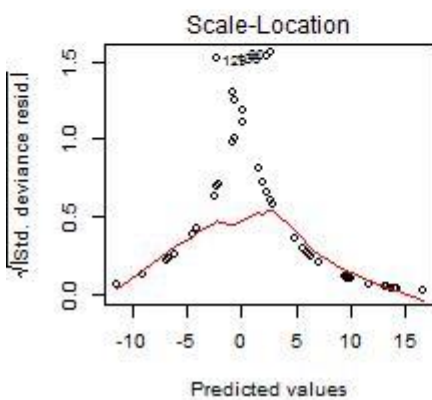
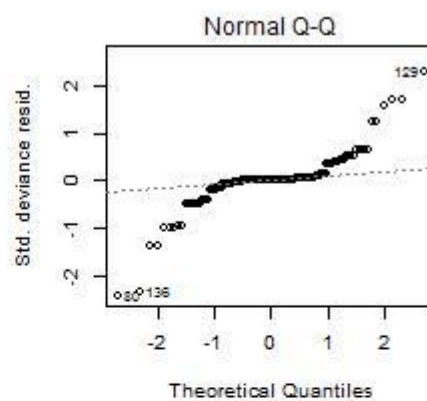
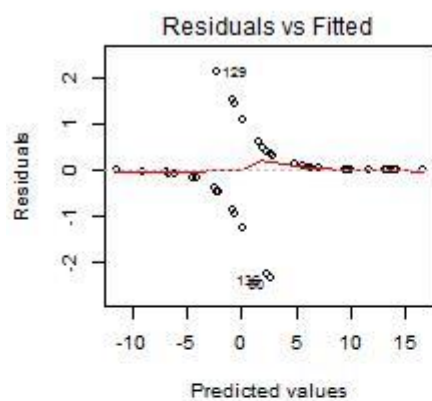


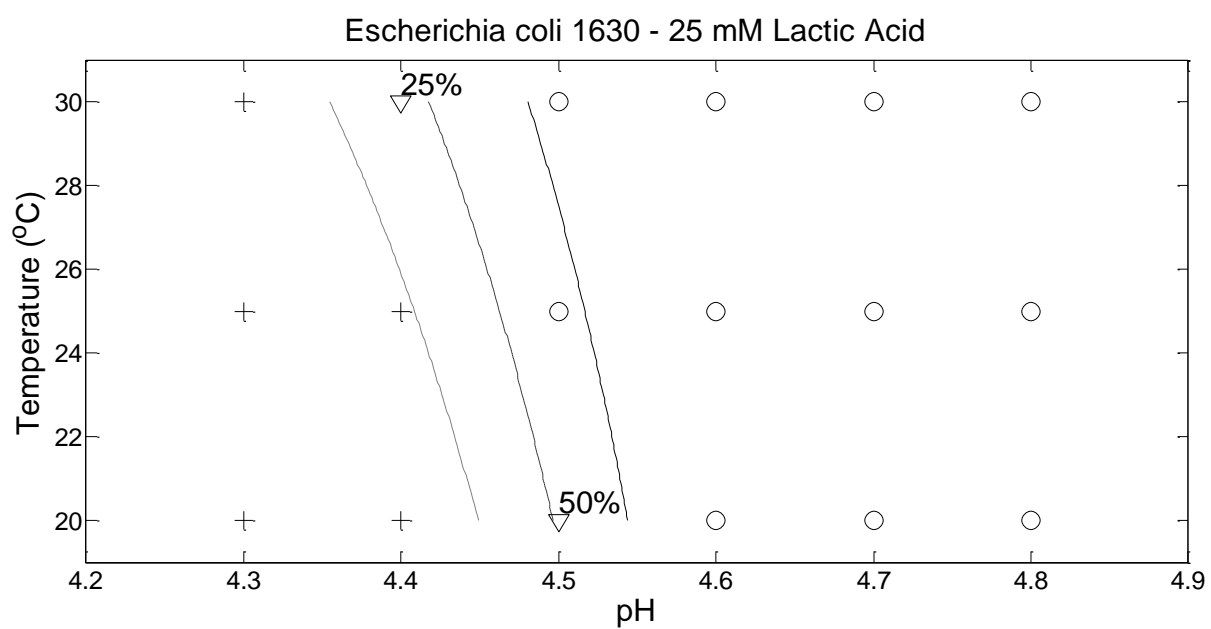
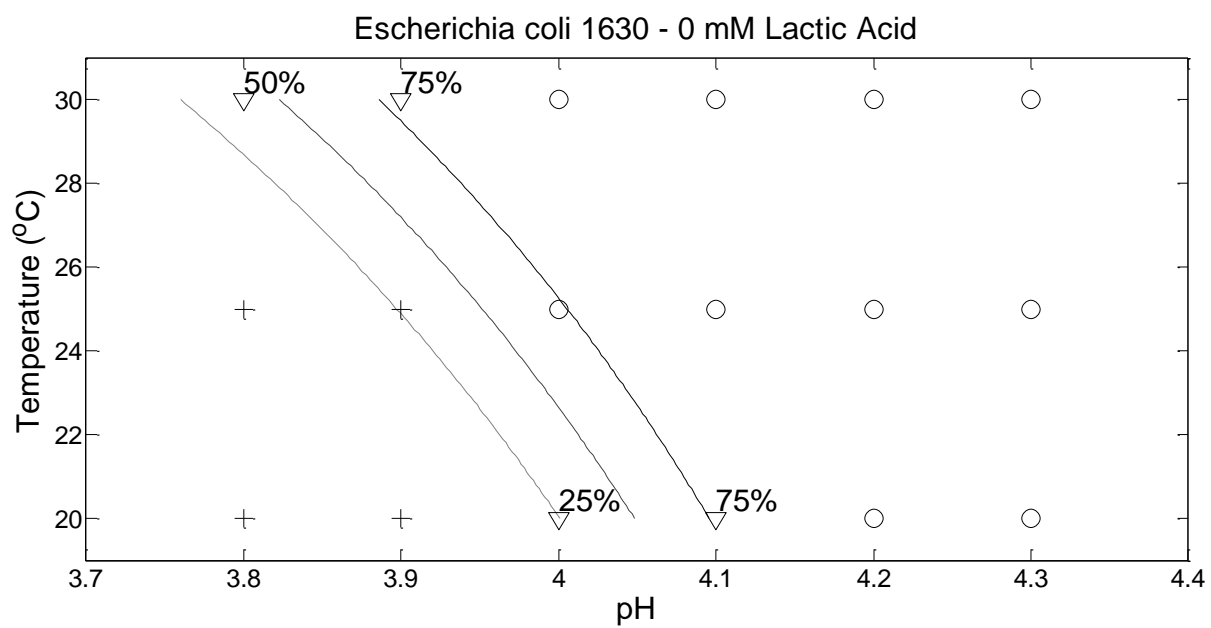
**98. *E.coli* EC1630 ETEC, 298A (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-295.48	77.48	-3.81	0.00	-482.45	-168.21	0.00	0.00	0.00
pH	69.11	18.12	3.81	0.00	39.24	112.59	1.03E+30	1.10E+17	7.91E+48
LA	-0.83	0.19	-4.33	0.00	-1.30	-0.52	0.44	0.27	0.59
Temp	5.40	1.99	2.72	0.01	1.93	10.01	222.17	6.89	22157.01
pH:Temp	-1.14	0.45	-2.53	0.01	-2.17	-0.34	0.32	0.11	0.71

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	183.32	
pH	1	24.45	142	158.86	0.00
LA	1	88.36	141	70.50	0.00
Temp	1	24.02	140	46.48	0.00
pH:Temp	1	8.35	139	38.13	0.00

<b>AIC</b>	48.13
<b>Likelihood Ratio</b>	2.18E-30
<b>Log-Likelihood</b>	-19.06





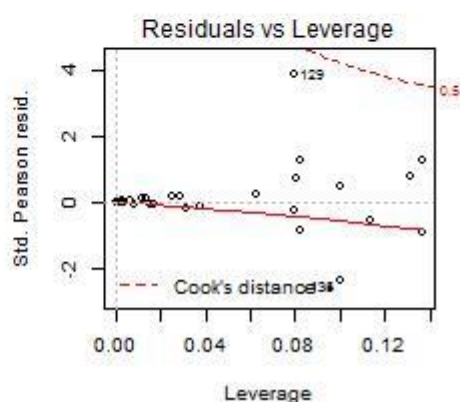
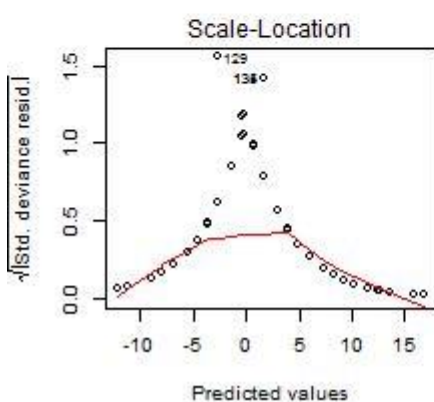
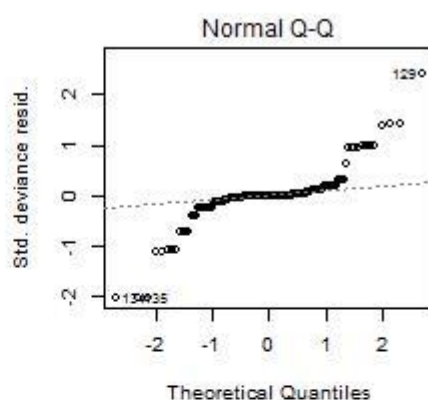
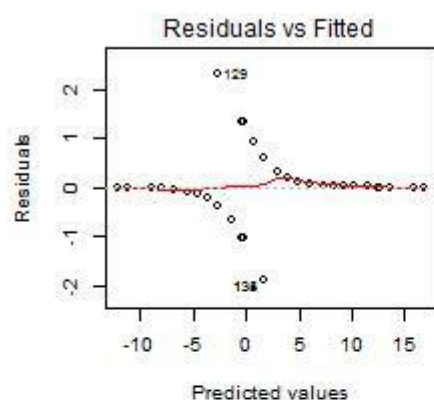


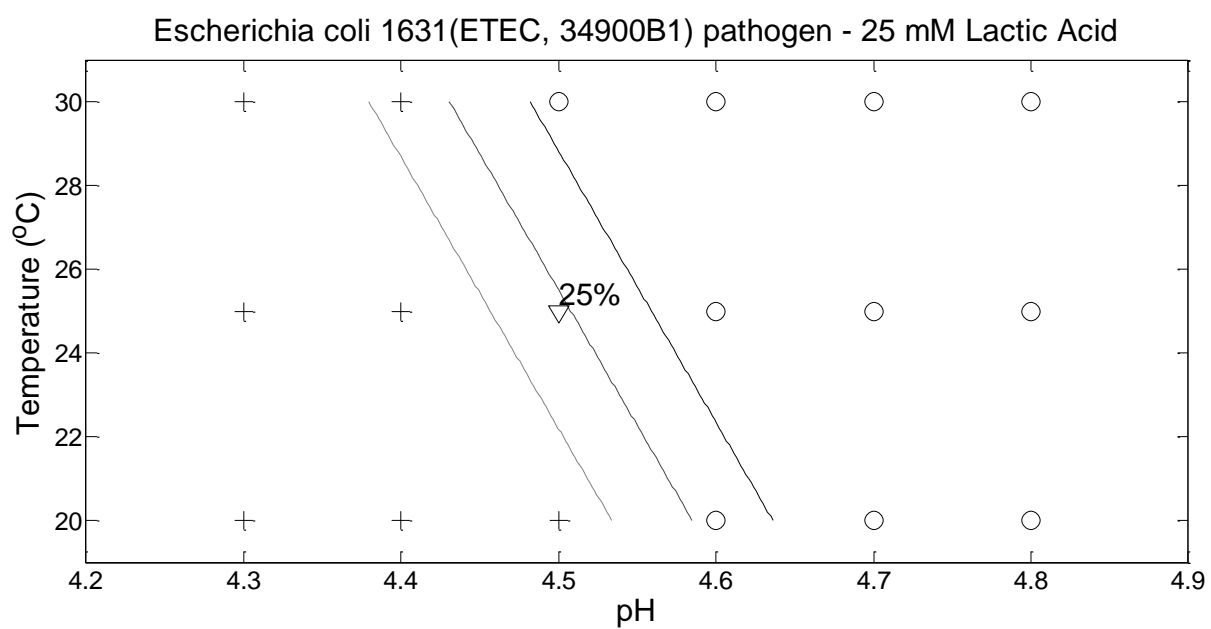
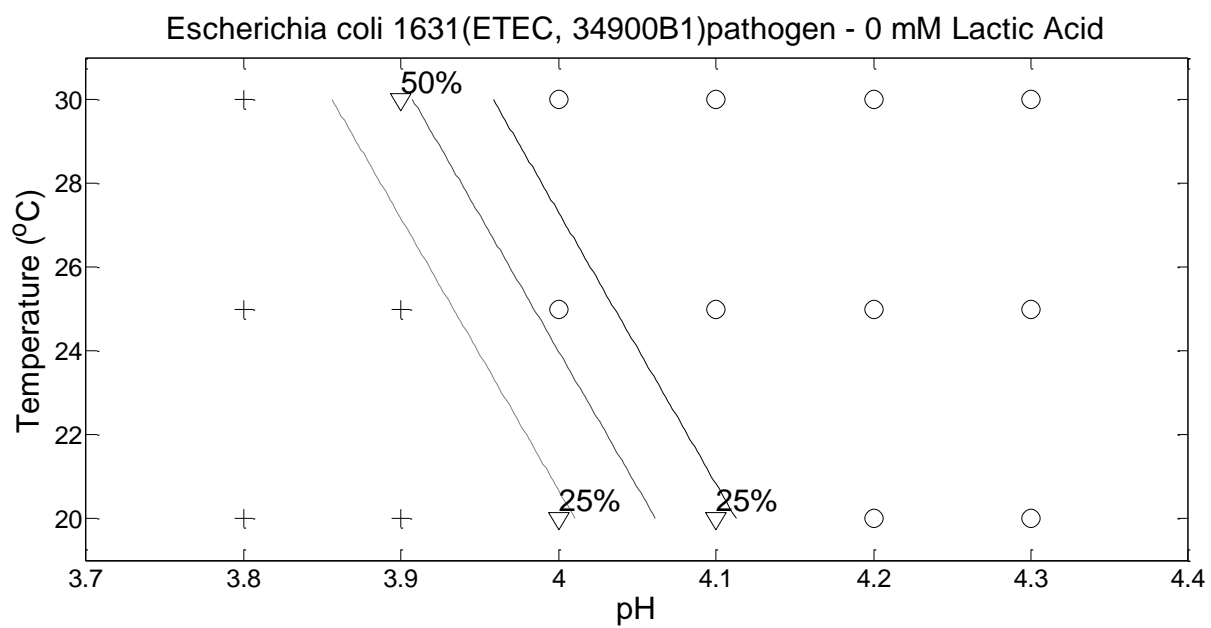
**99. *E.coli* EC1631 ETEC, 34900B1 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-187.65	47.36	-3.96	0.00	-319.53	-116.86	0.00	0.00	0.00
pH	42.94	10.71	4.01	0.00	26.84	72.49	4.46E+18	4.52E+11	3.03E+31
LA	-0.90	0.22	-4.01	0.00	-1.50	-0.56	0.41	0.22	0.57
Temp	0.66	0.21	3.17	0.00	0.34	1.24	1.94	1.41	3.47

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	26.45	142	168.45	0.00
LA	1	103.02	141	65.43	0.00
Temp	1	27.62	140	37.81	0.00

<b>AIC</b>	45.81
<b>Likelihood Ratio</b>	7.76E-34
<b>Log-Likelihood</b>	-18.91



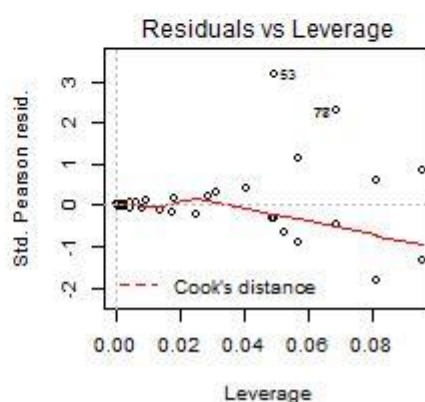
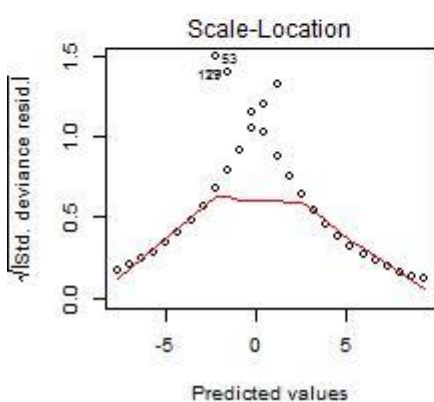
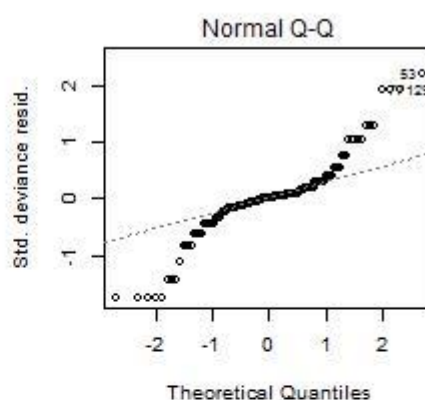
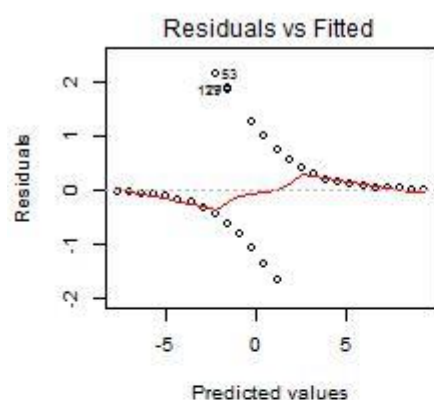


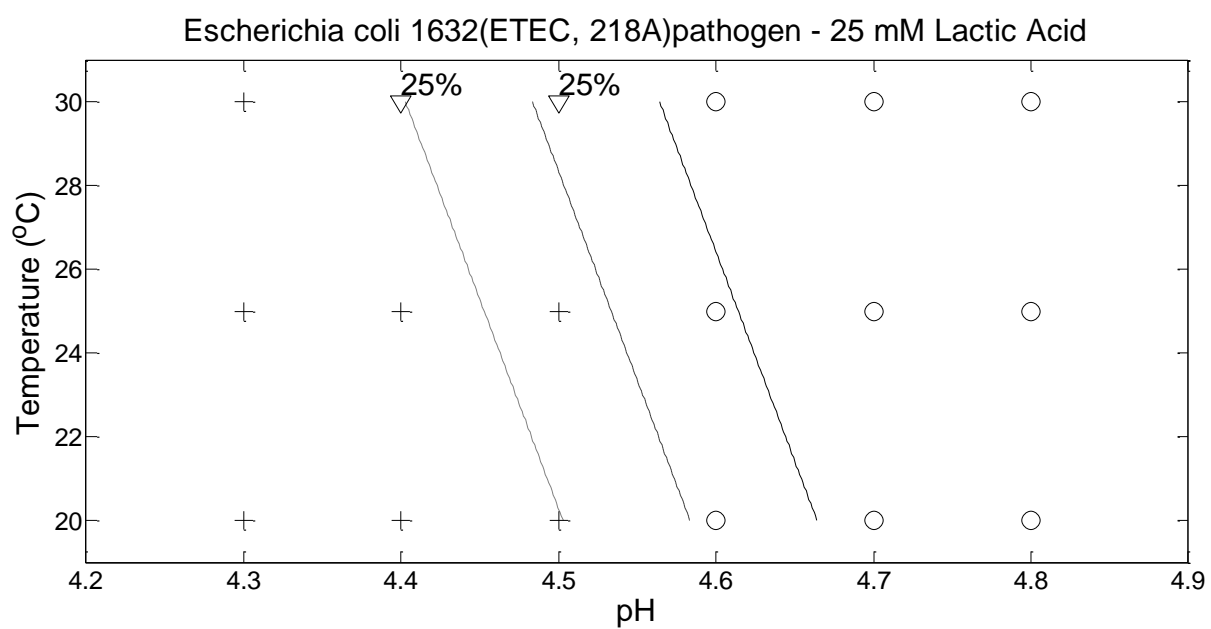
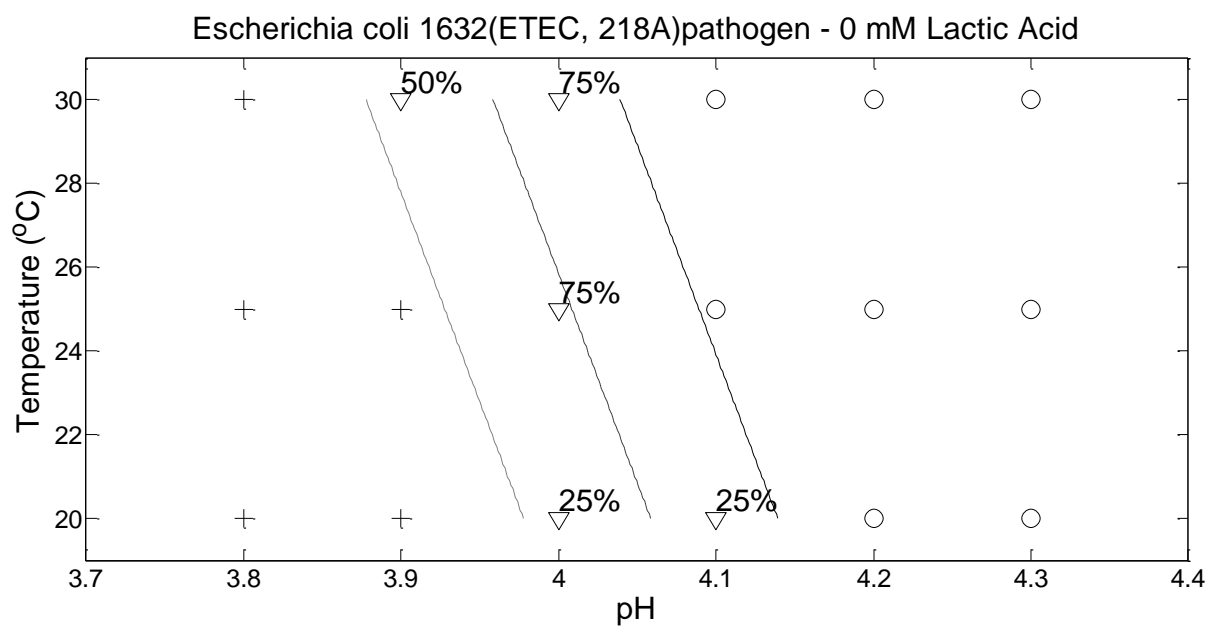
100. *E.coli* EC1632 ETEC, 218A (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-115.96	21.84	-5.31	0.00	-166.99	-79.93	0.00	0.00	0.00
pH	27.23	5.10	5.33	0.00	18.81	39.16	6.70E+11	1.48E+08	1.02E+17
LA	-0.57	0.11	-5.17	0.00	-0.83	-0.39	0.56	0.44	0.68
Temp	0.27	0.10	2.81	0.00	0.10	0.48	1.31	1.10	1.62

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	198.26	
pH	1	27.00	142	171.26	0.00
LA	1	103.44	141	67.82	0.00
Temp	1	10.02	140	57.80	0.00

<b>AIC</b>	65.80
<b>Likelihood Ratio</b>	3E-30
<b>Log-Likelihood</b>	-28.90



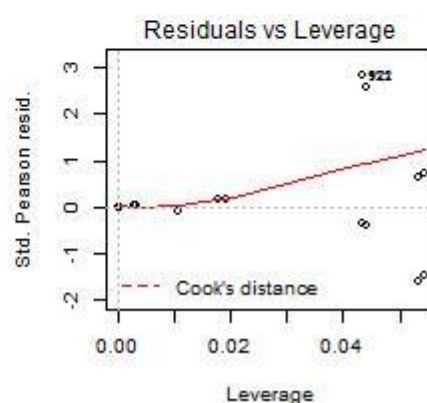
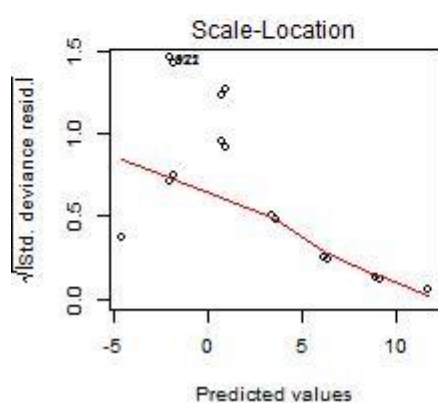
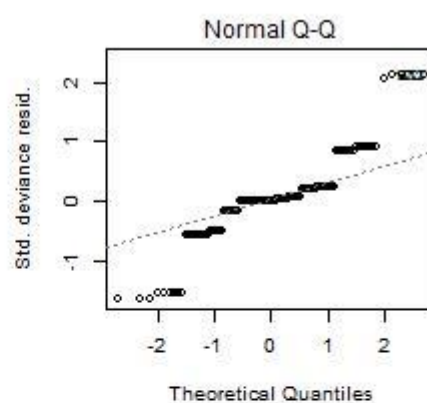
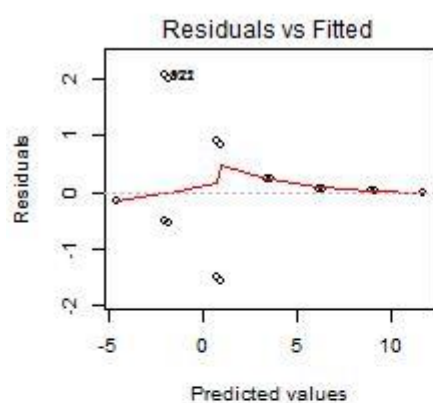


101. *E.coli* EC1633 ETEC, 288A (Prof. J. Mainil (Ulg, Liège, Belgium))

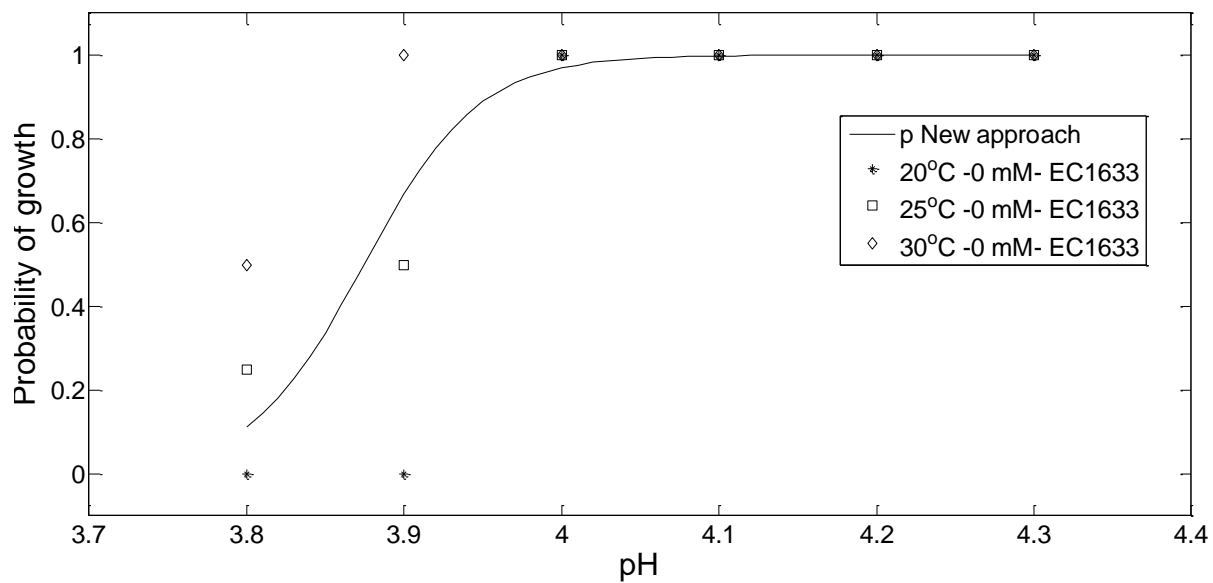
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-106.82	21.10	-5.06	0.00	-155.86	-71.77	0.00	0.00	0.00
pH	27.57	5.43	5.07	0.00	18.55	40.20	9.40E+11	1.13E+08	2.87E+17
LA	-0.65	0.13	-5.00	0.00	-0.96	-0.44	0.52	0.38	0.65

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	172.04	
pH	1	10.36	142	161.68	0.00
LA	1	105.90	141	55.77	0.00

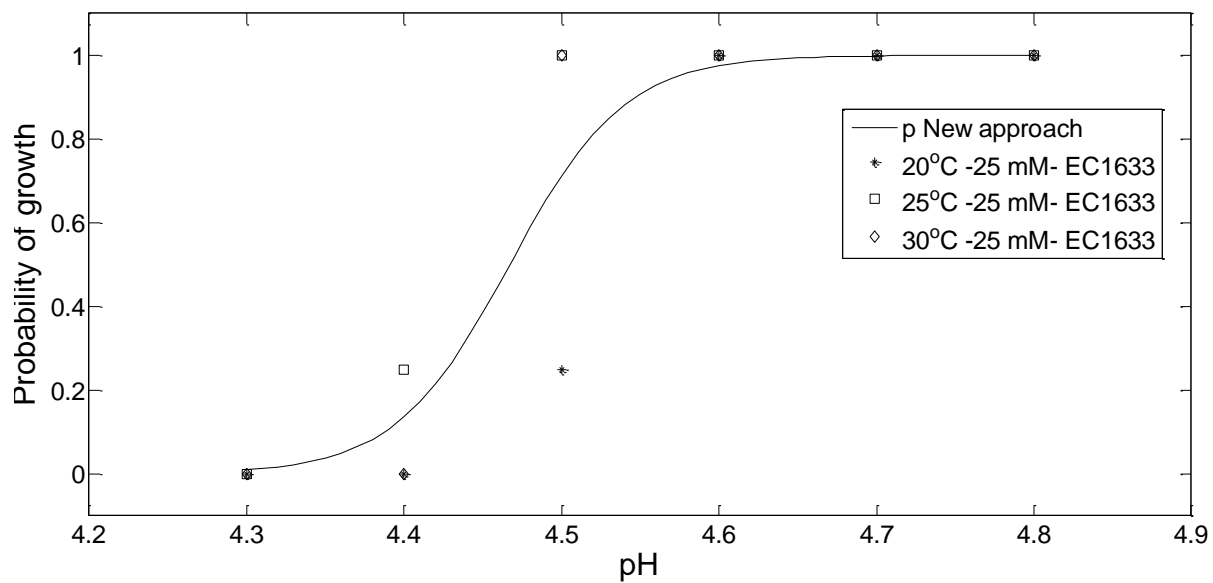
<b>AIC</b>	61.77
<b>Likelihood Ratio</b>	5.67E-26
<b>Log-Likelihood</b>	-27.89

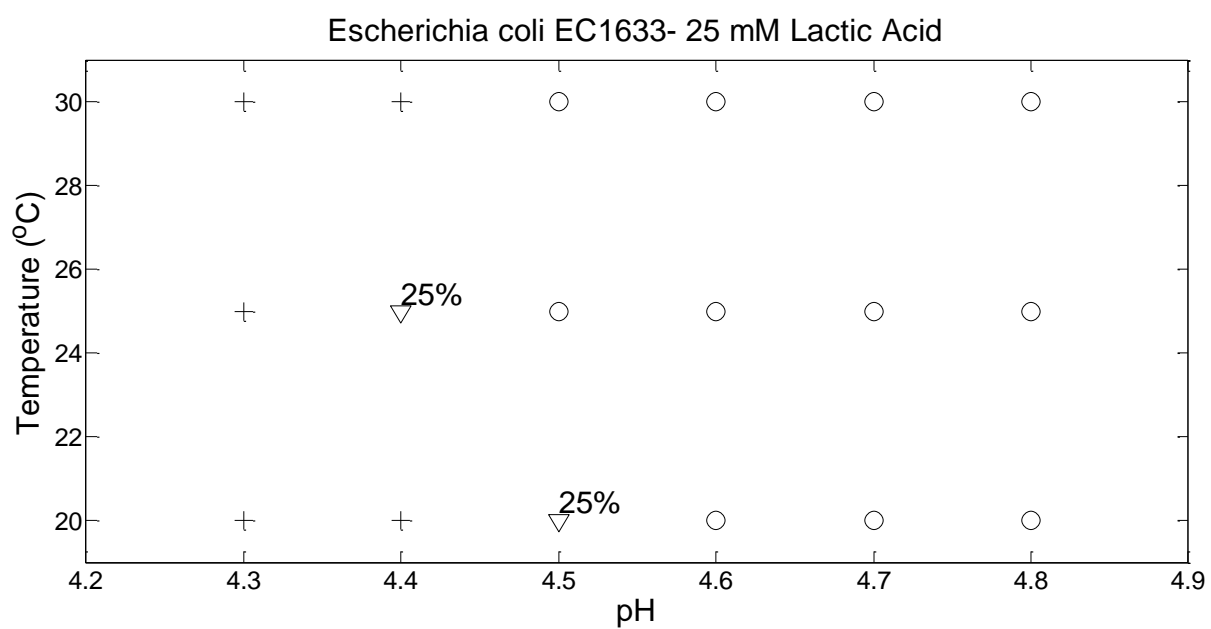
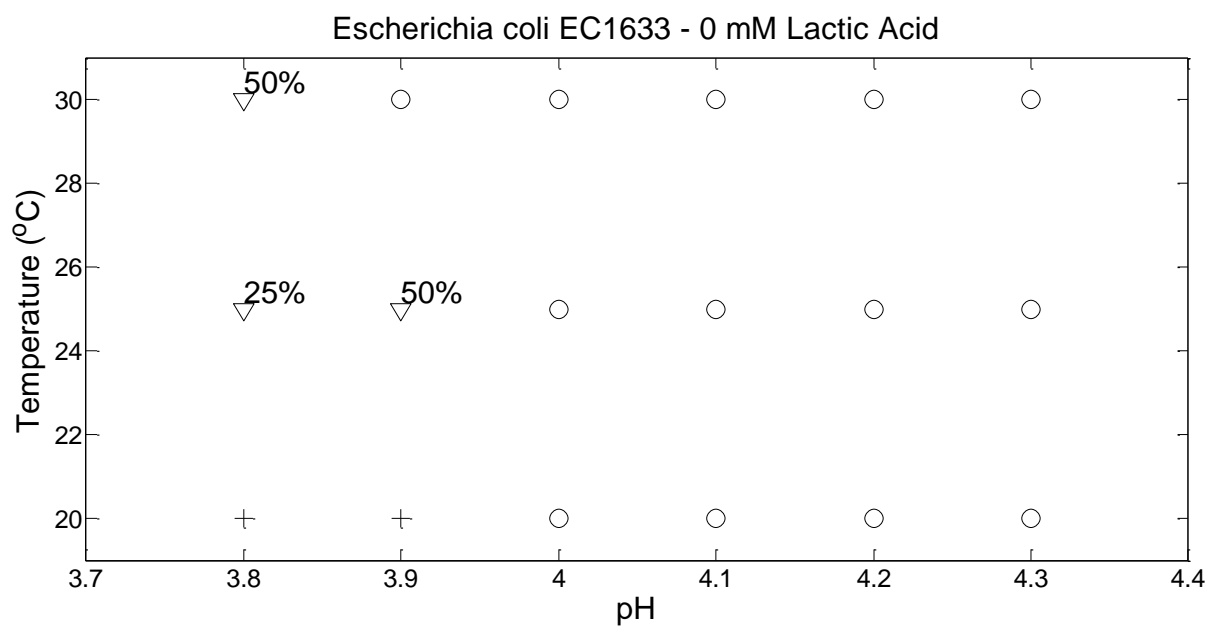


Escherichia coli EC1633 - 0 mM Lactic Acid



Escherichia coli EC1633 - 25 mM Lactic Acid







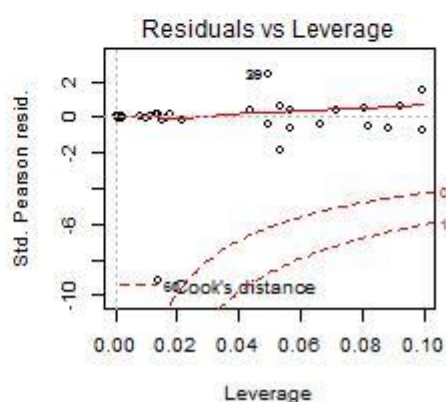
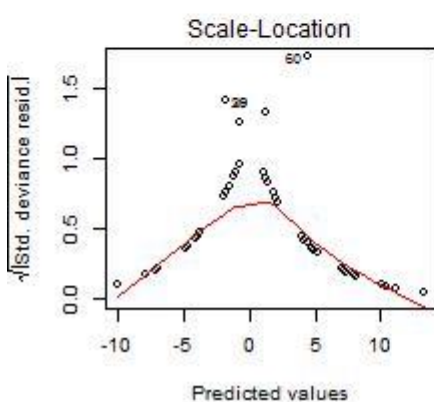
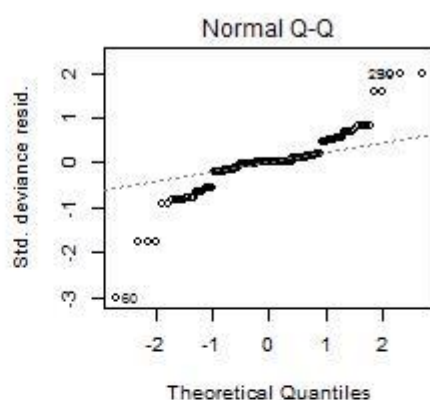
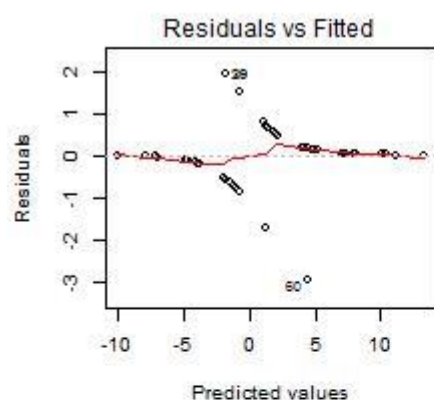


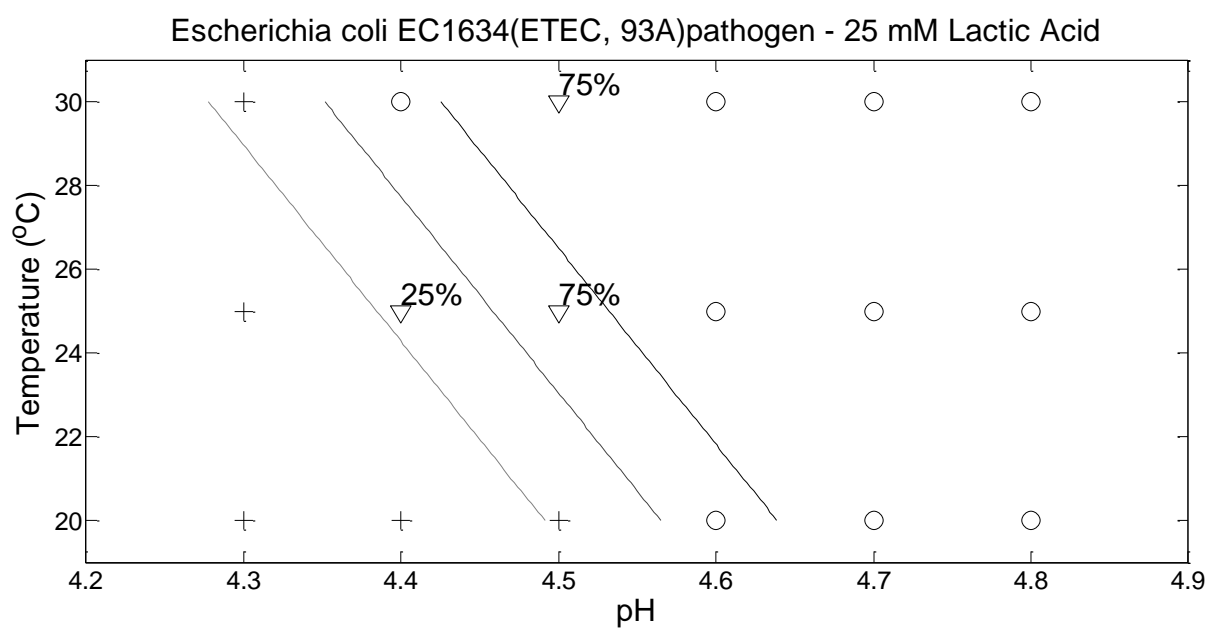
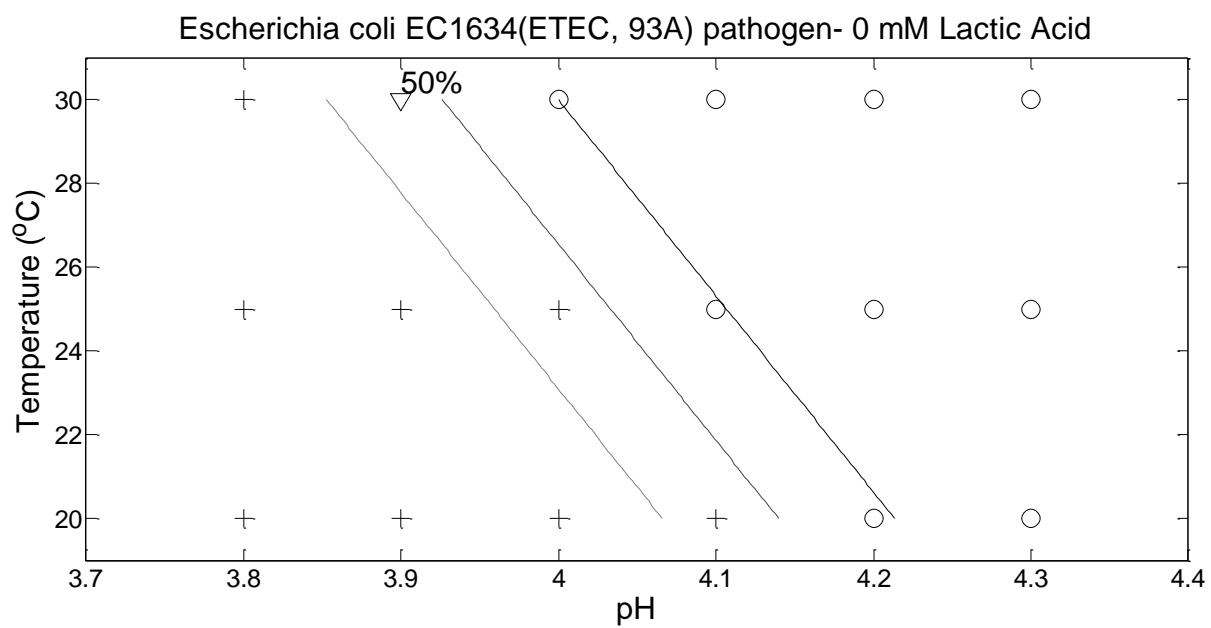
102. *E.coli* EC1634 ETEC, 93A (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-136.08	26.68	-5.10	0.00	-197.76	-91.92	0.00	0.00	0.00
pH	29.80	5.83	5.11	0.00	20.14	43.26	8.75E+12	5.56E+08	6.16E+18
LA	-0.51	0.10	-4.85	0.00	-0.75	-0.33	0.60	0.47	0.72
Temp	0.64	0.15	4.20	0.00	0.38	0.99	1.89	1.46	2.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	42.94	142	151.97	0.00
LA	1	60.89	141	91.08	0.00
Temp	1	39.22	140	51.86	0.00

<b>AIC</b>	59.86
<b>Likelihood Ratio</b>	8.33E-31
<b>Log-Likelihood</b>	-25.93



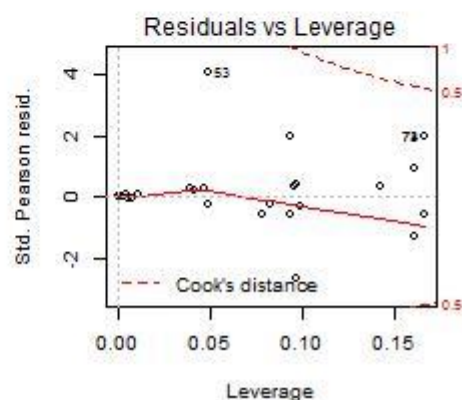
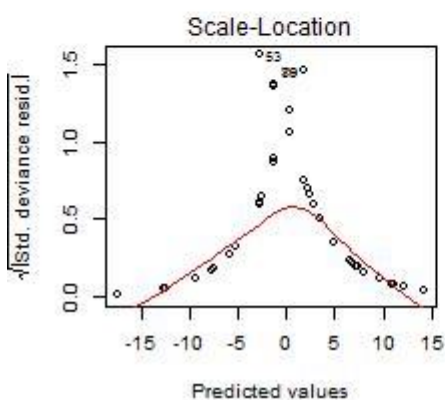
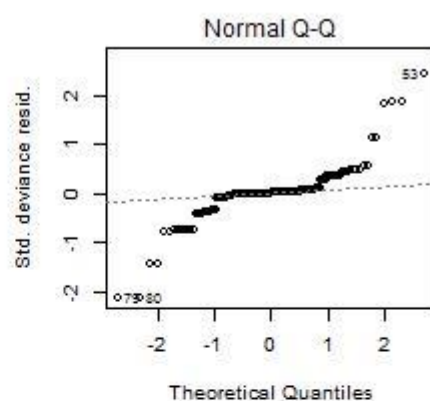
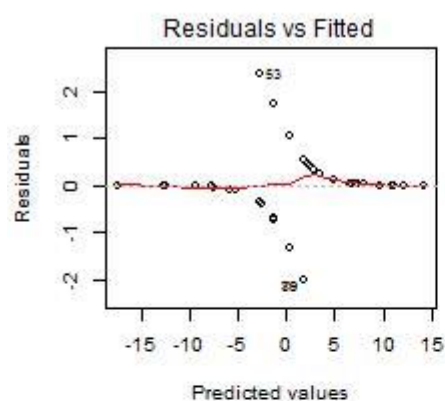


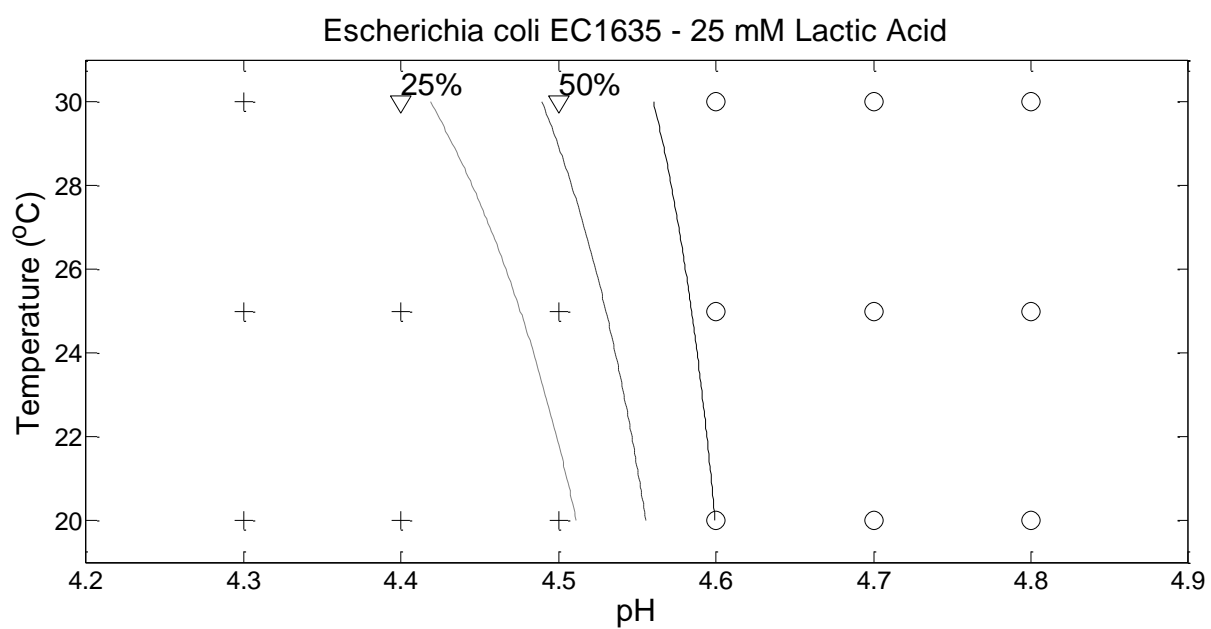
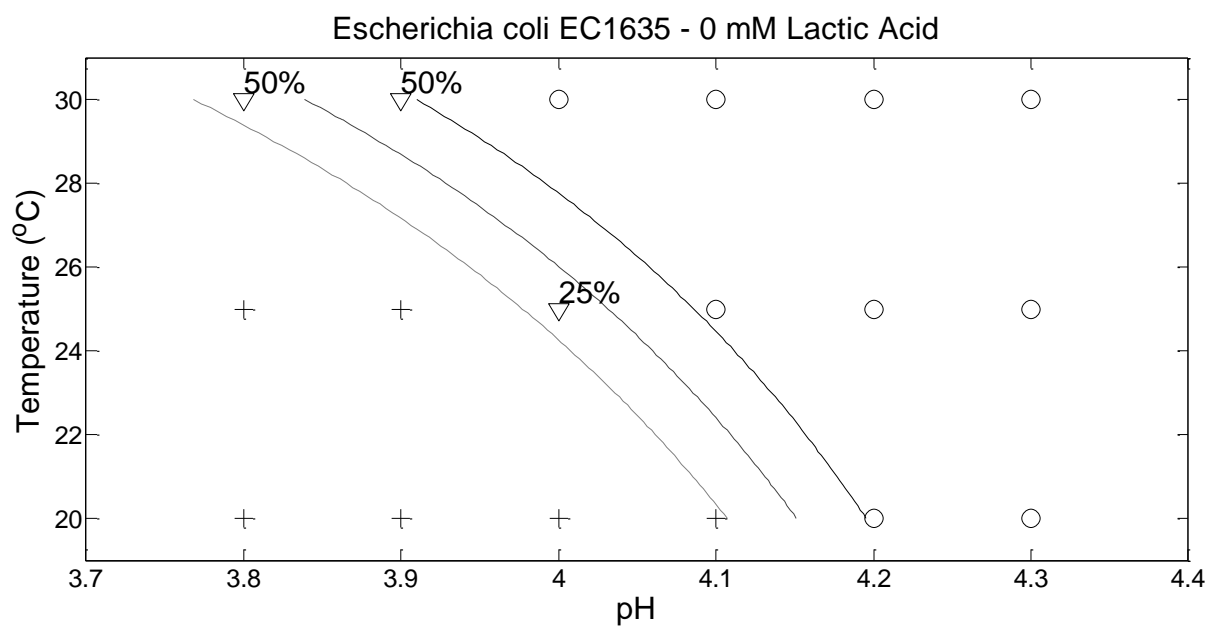
103. *E.coli* EC1635 ETEC, 213A (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-383.16	91.31	-4.20	0.00	-602.03	-233.09	0.00	0.00	0.00
pH	87.64	20.96	4.18	0.00	53.17	137.94	1.15E+38	1.24E+23	8.09E+59
LA	-0.81	0.18	-4.56	0.00	-1.23	-0.52	0.45	0.29	0.59
Temp	8.81	2.48	3.55	0.00	4.66	14.75	6.68E+03	1.05E+02	2.55E+06
pH:Temp	-1.89	0.55	-3.41	0.00	-3.22	-0.96	0.15	0.04	0.38

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	197.84	
pH	1	25.22	142	172.63	0.00
LA	1	83.77	141	88.85	0.00
Temp	1	29.72	140	59.14	0.00
pH:Temp	1	21.25	139	37.88	0.00

<b>AIC</b>	47.88
<b>Likelihood Ratio</b>	1.49E-33
<b>Log-Likelihood</b>	-18.94



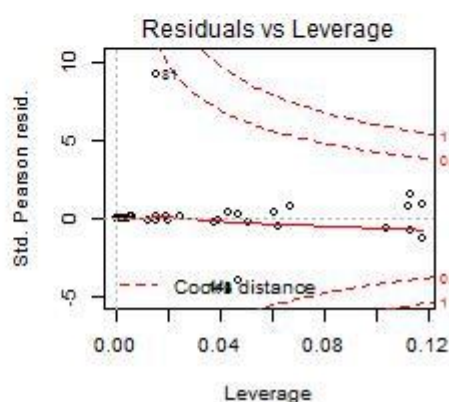
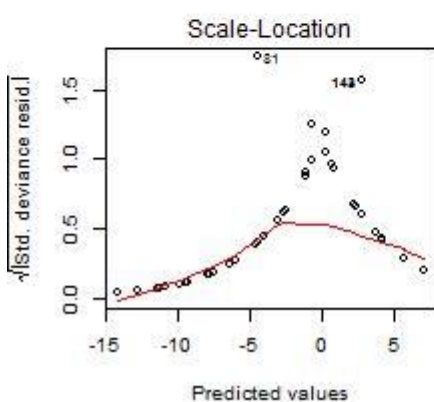
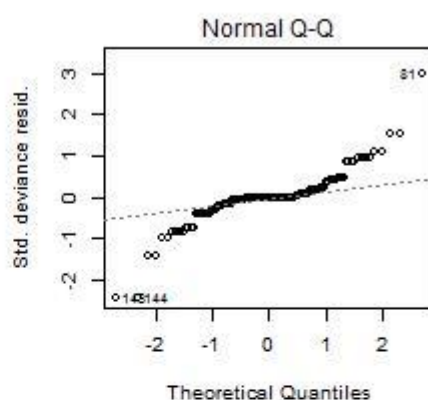
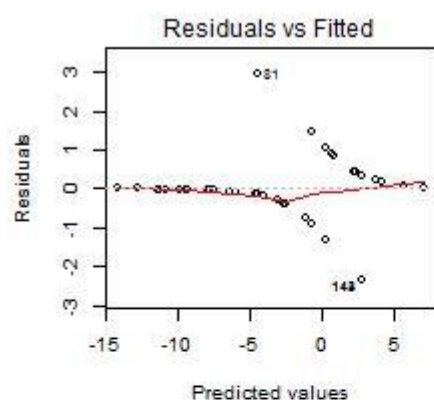


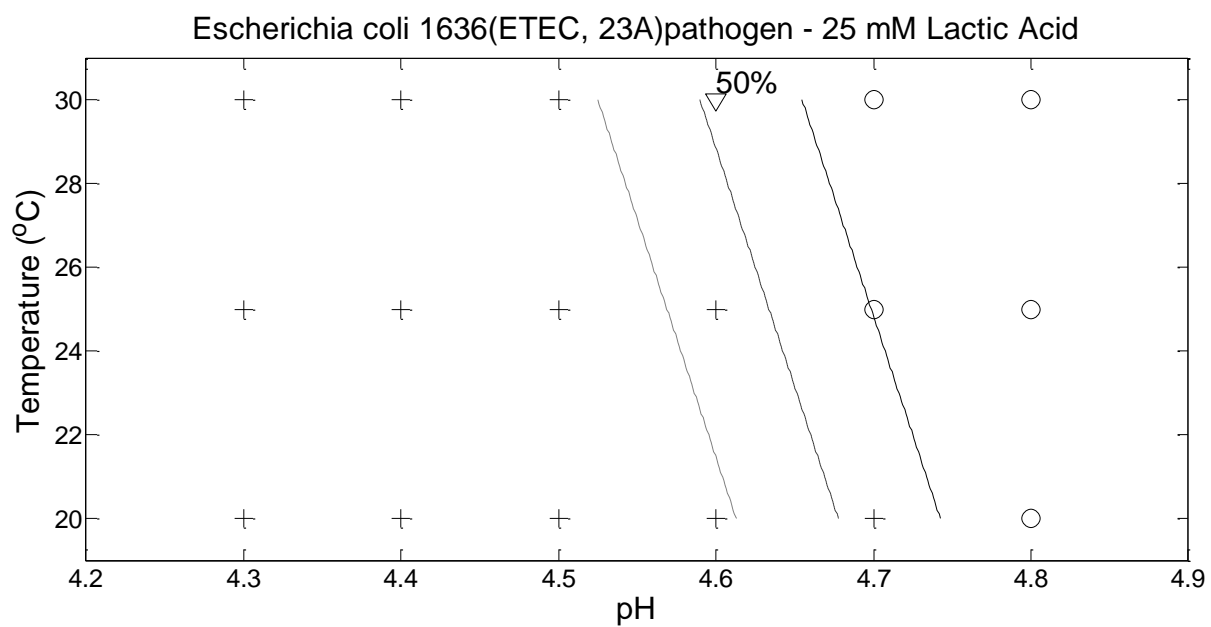
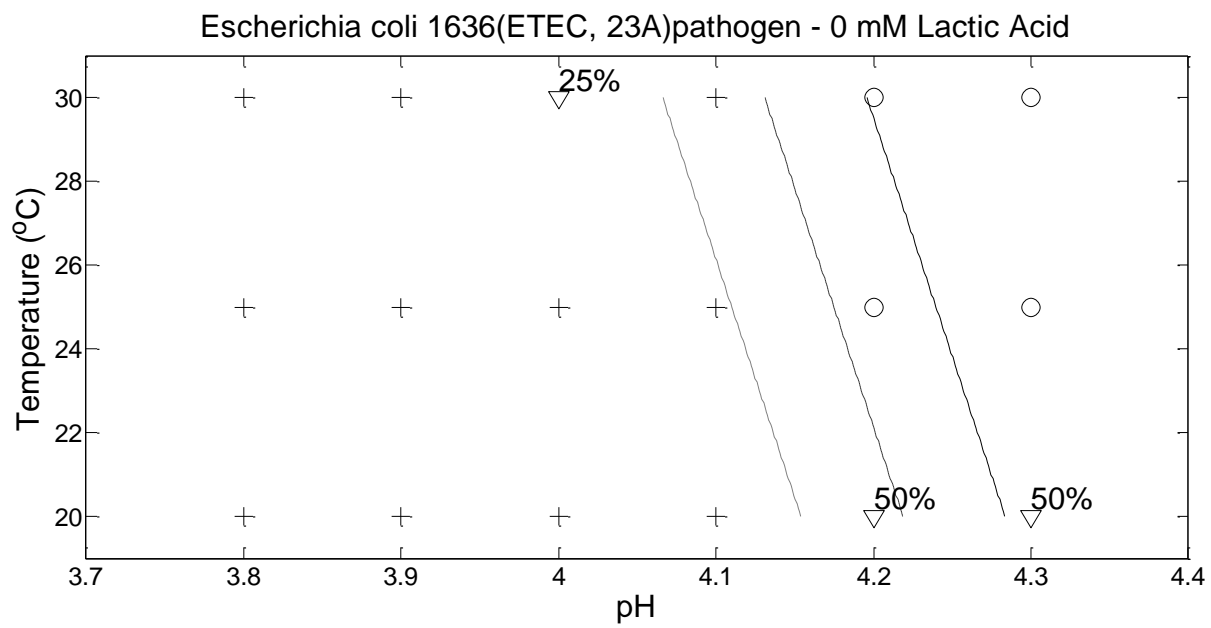
104. *E.coli* EC1636 ETEC, 23A (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-148.91	31.57	-4.72	0.00	-224.75	-98.10	0.00	0.00	0.00
pH	33.89	7.17	4.73	0.00	22.35	51.10	5.20E+14	5.07E+09	1.56E+22
LA	-0.62	0.14	-4.58	0.00	-0.95	-0.40	0.54	0.39	0.67
Temp	0.30	0.11	2.68	0.01	0.10	0.54	1.35	1.11	1.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	39.12	142	142.78	0.00
LA	1	86.86	141	55.92	0.00
Temp	1	9.45	140	46.48	0.00

<b>AIC</b>	54.48
<b>Likelihood Ratio</b>	3.67E-29
<b>Log-Likelihood</b>	-23.24



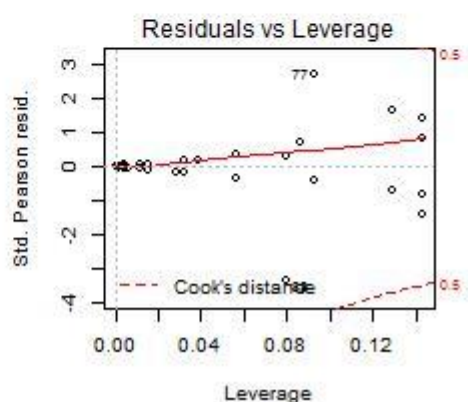
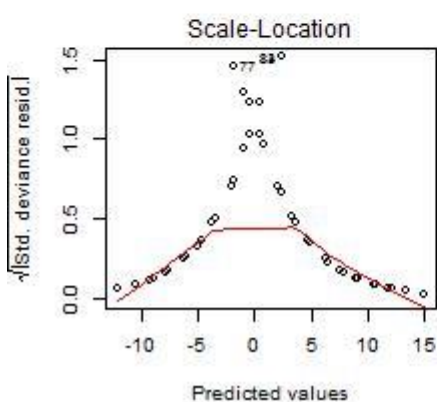
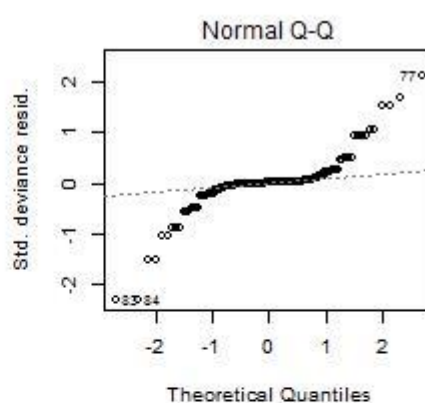
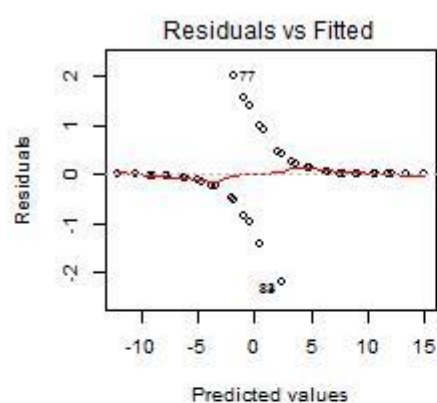


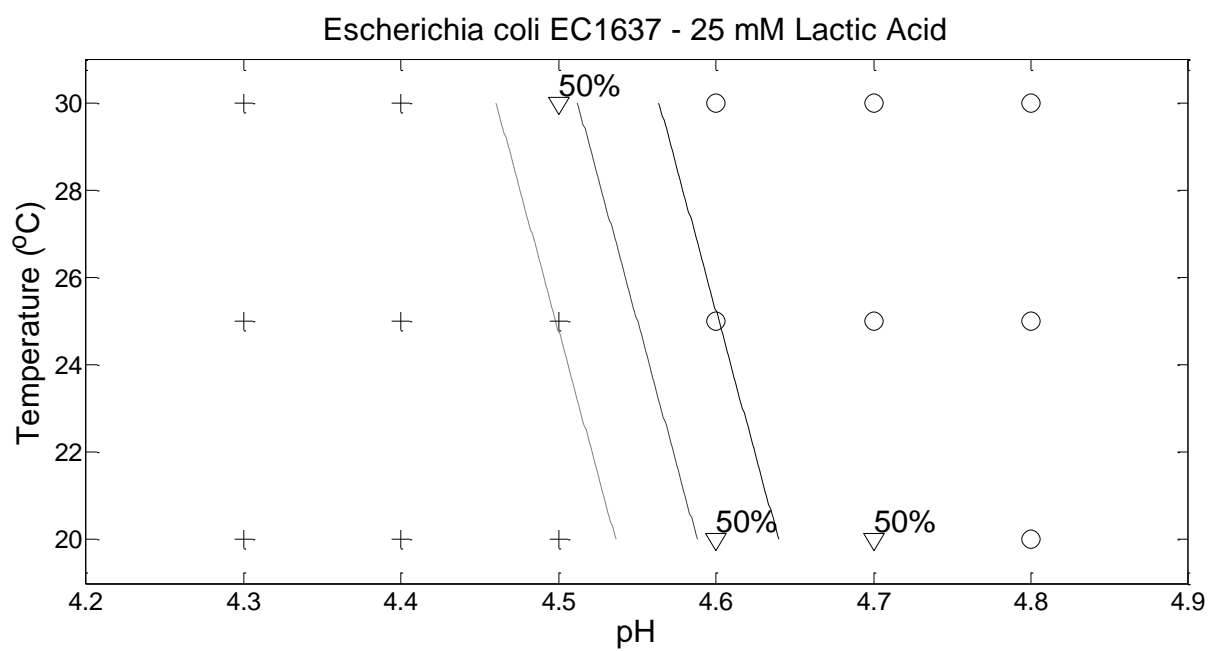
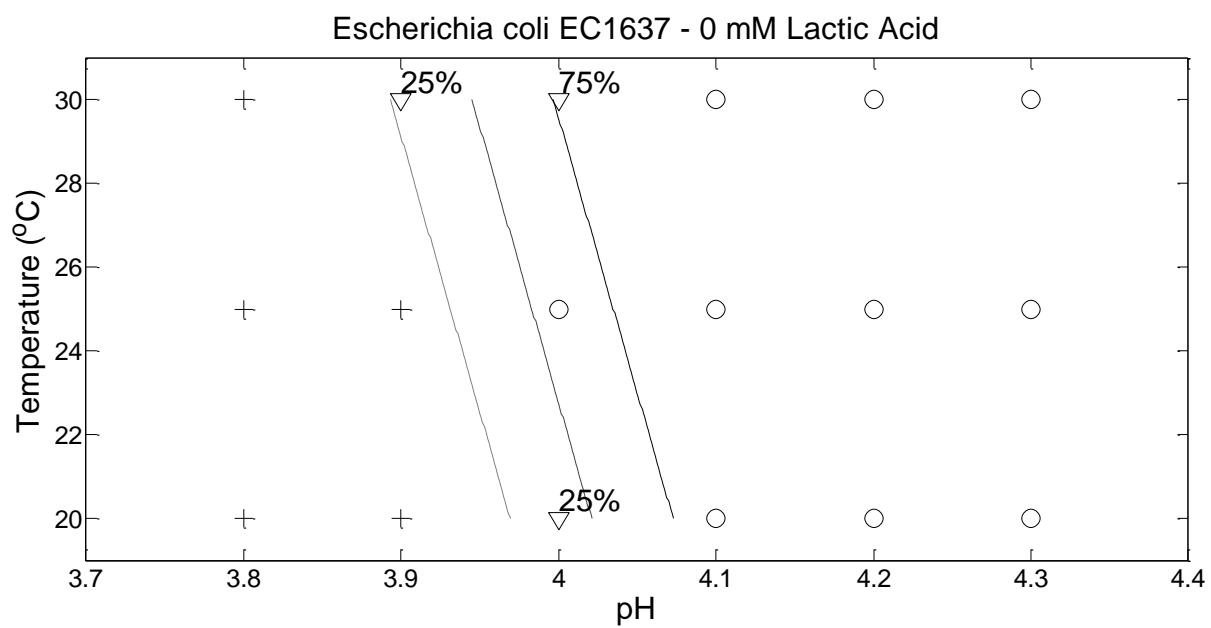
105. *E.coli* EC1637 ETEC, 70A (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-177.23	41.59	-4.26	0.00	-280.34	-112.41	0.00	0.00	0.00
pH	42.47	9.93	4.28	0.00	26.99	67.05	2.79E+18	5.27E+11	1.32E+29
LA	-0.96	0.23	-4.22	0.00	-1.53	-0.61	0.38	0.22	0.55
Temp	0.32	0.13	2.51	0.01	0.10	0.62	1.38	1.10	1.85

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	197.84	
pH	1	21.16	142	176.69	0.00
LA	1	130.73	141	45.96	0.00
Temp	1	8.64	140	37.31	0.00

<b>AIC</b>	45.31
<b>Likelihood Ratio</b>	1.41E-34
<b>Log-Likelihood</b>	-18.66





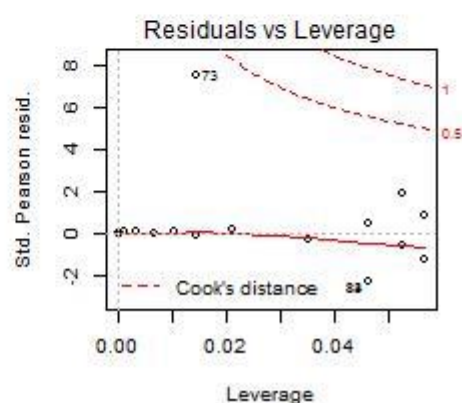
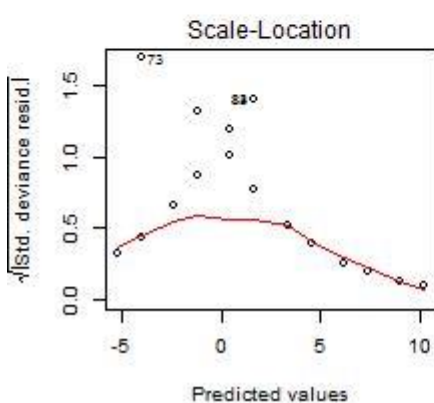
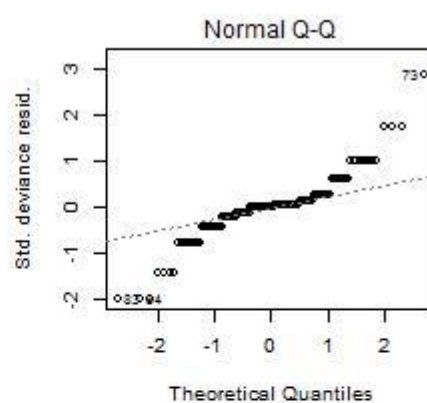
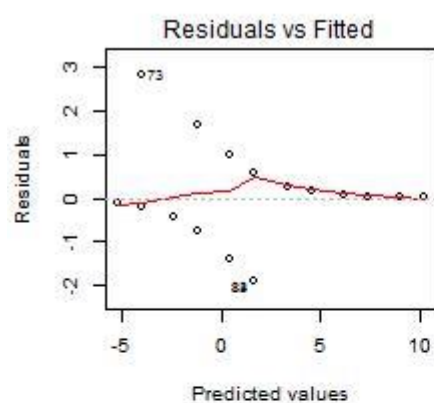


106. *E.coli* EC1638 Canine EPEC, 1012 (Prof. J. Mainil (Ulg, Liège, Belgium))

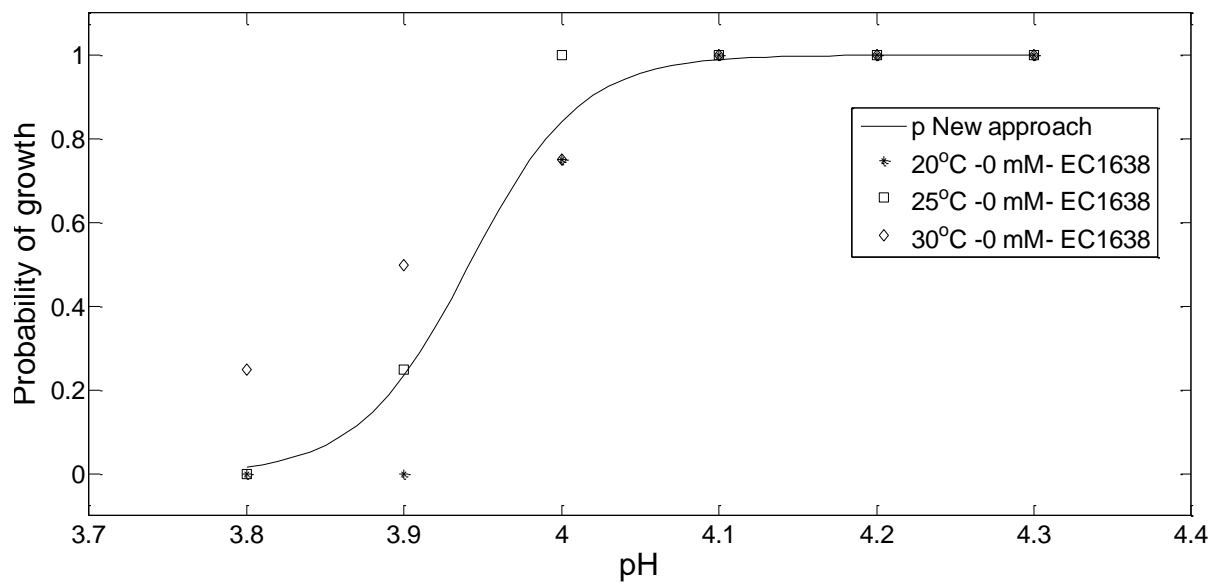
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-112.39	21.63	-5.20	0.00	-162.98	-76.70	0.00	0.00	0.00
pH	28.51	5.49	5.20	0.00	19.47	41.36	2.42E+12	2.85E+08	9.16E+17
LA	-0.62	0.12	-5.03	0.00	-0.91	-0.42	0.54	0.40	0.66

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	187.20	
pH	1	22.45	142	164.75	0.00
LA	1	109.75	141	55.00	0.00

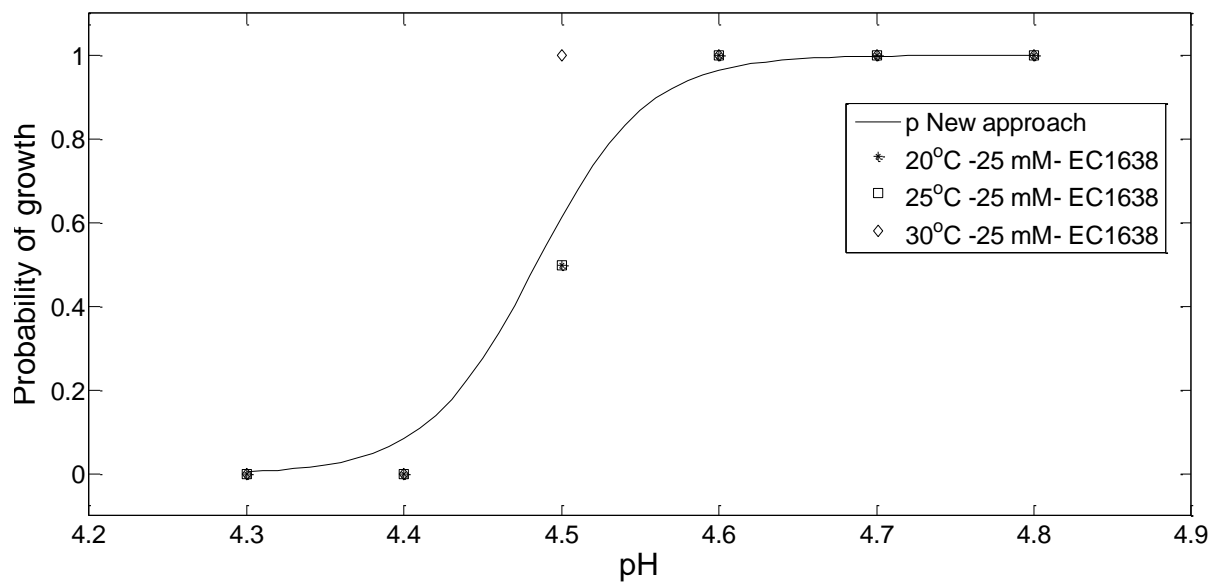
<b>AIC</b>	61.00
<b>Likelihood Ratio</b>	1.97E-29
<b>Log-Likelihood</b>	-27.50

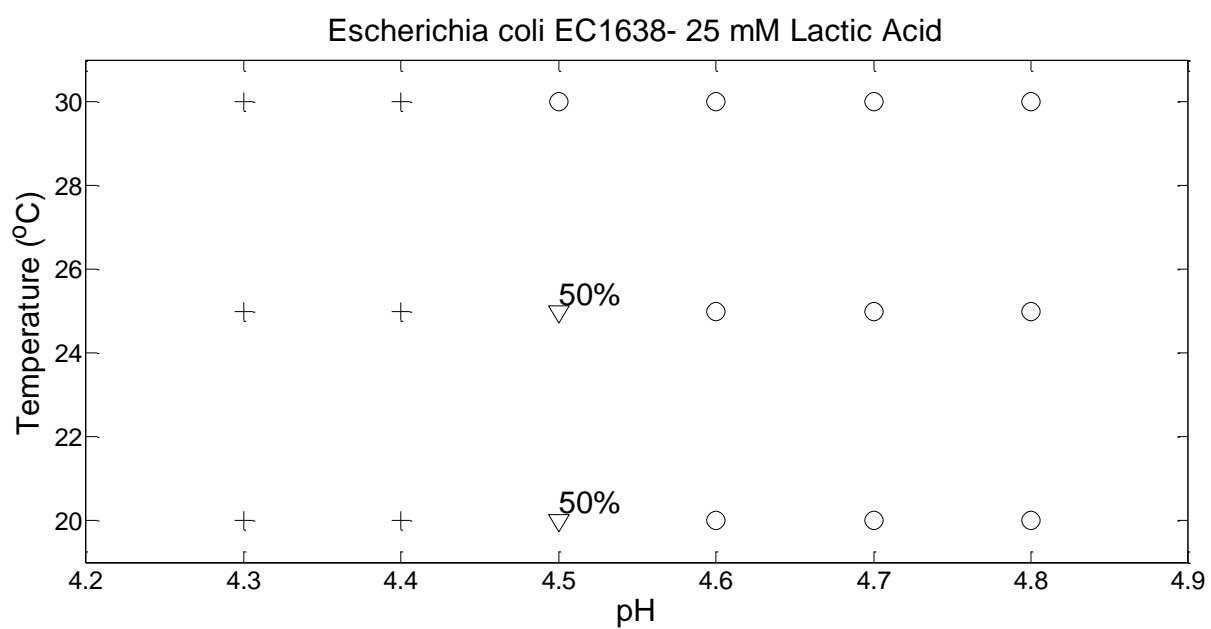
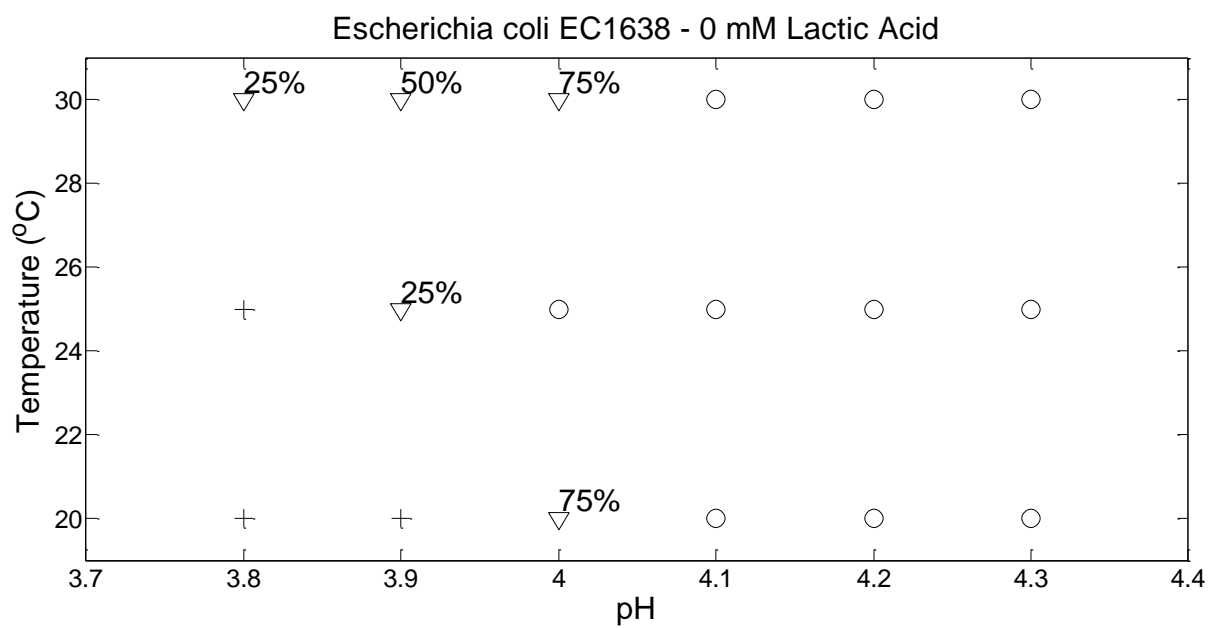


Escherichia coli EC1638 - 0 mM Lactic Acid



Escherichia coli EC1638 - 25 mM Lactic Acid





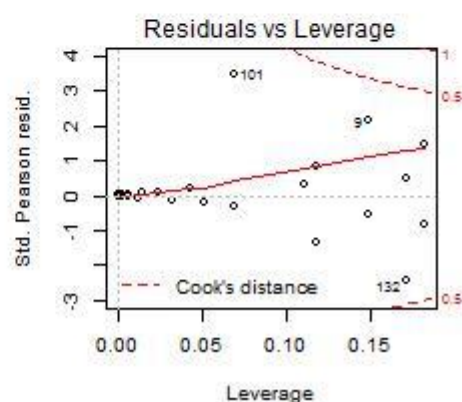
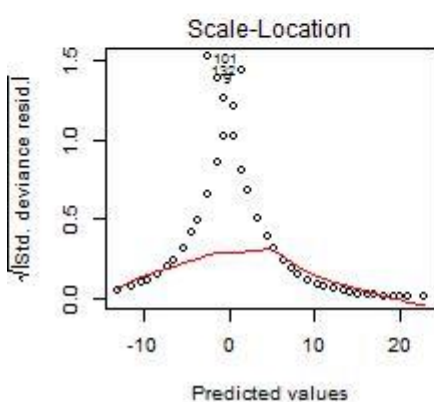
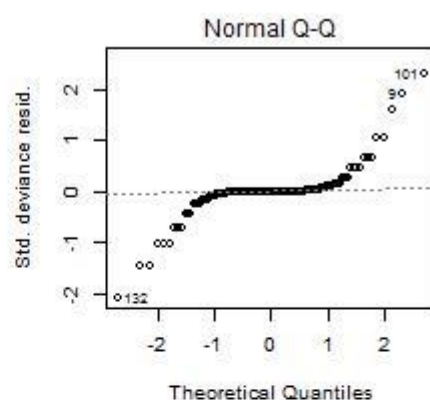
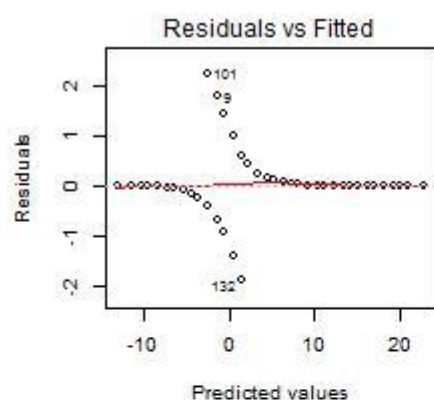


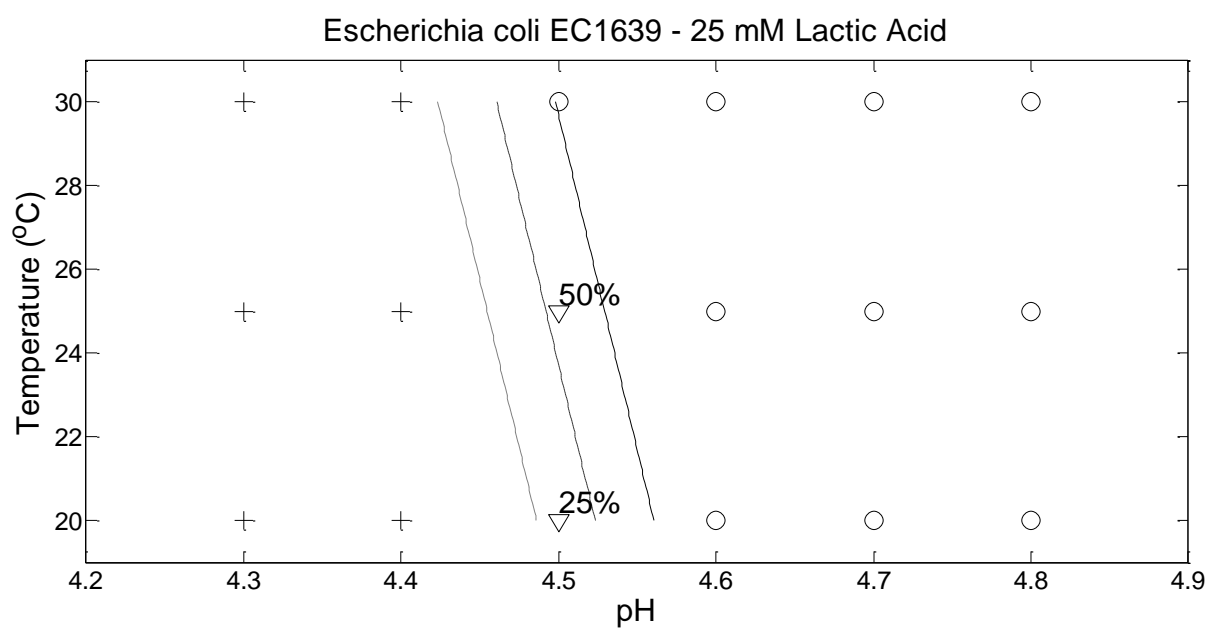
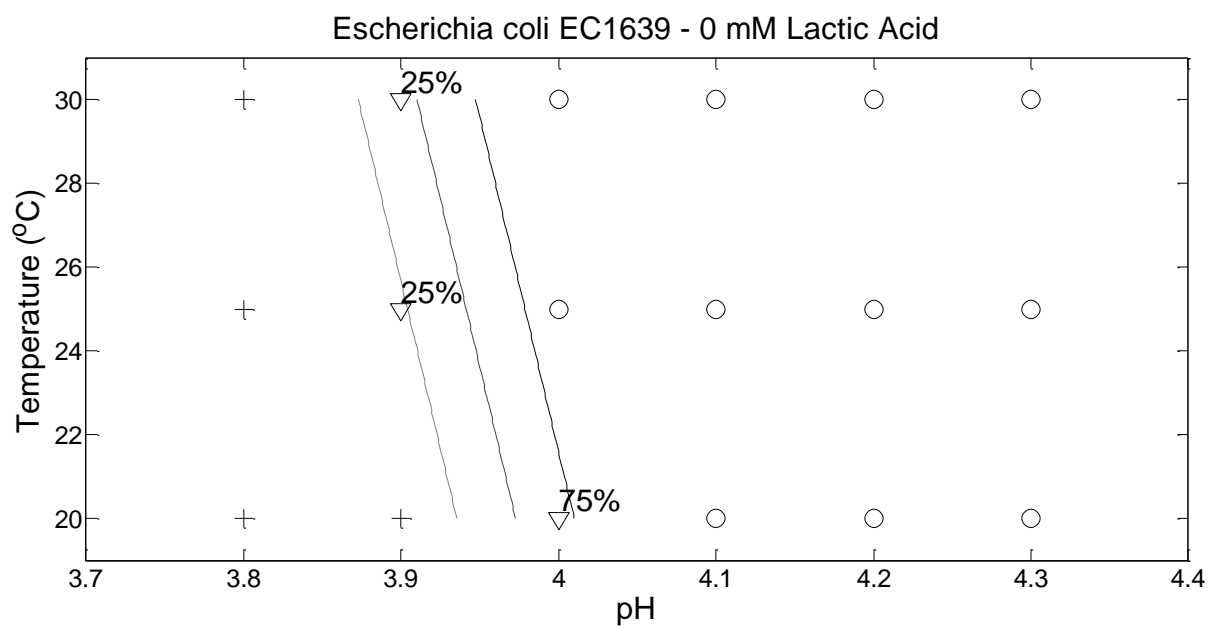
**107. *E.coli* EC1639 Canine EPEC, 11653-1 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-241.45	65.94	-3.66	0.00	-409.72	-142.10	0.00	0.00	0.00
pH	58.92	16.07	3.67	0.00	34.71	99.90	3.89E+25	1.19E+15	2.43E+43
LA	-1.30	0.36	-3.63	0.00	-2.21	-0.76	0.27	0.11	0.47
Temp	0.37	0.16	2.30	0.02	0.10	0.76	1.45	1.11	2.14

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	188.37	
pH	1	22.83	142	165.54	0.00
LA	1	130.79	141	34.75	0.00
Temp	1	7.97	140	26.78	0.00

<b>AIC</b>	34.78
<b>Likelihood Ratio</b>	8.34E-35
<b>Log-Likelihood</b>	-13.39



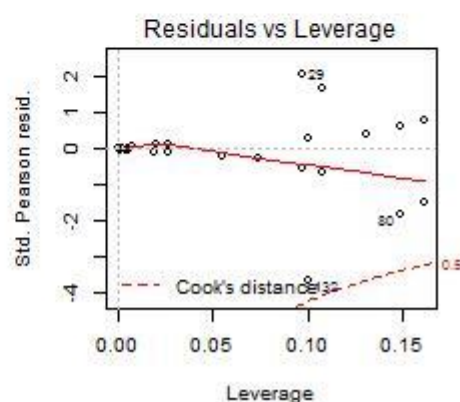
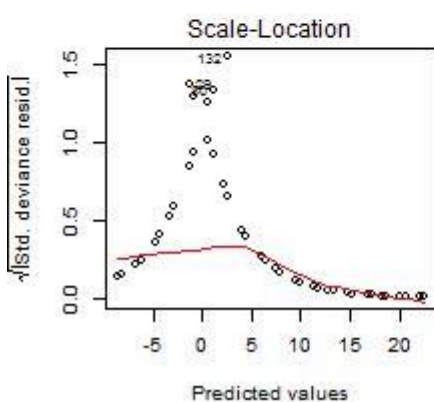
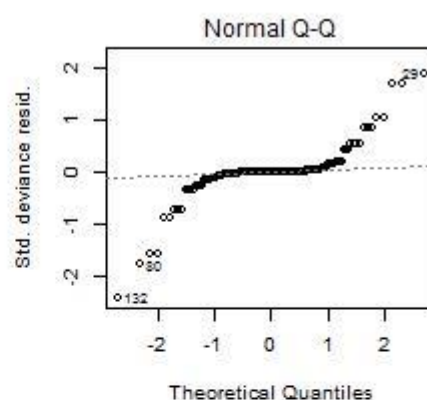
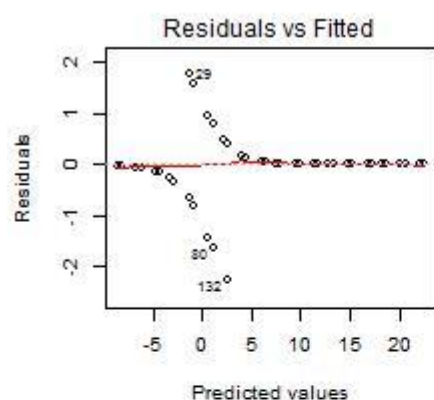


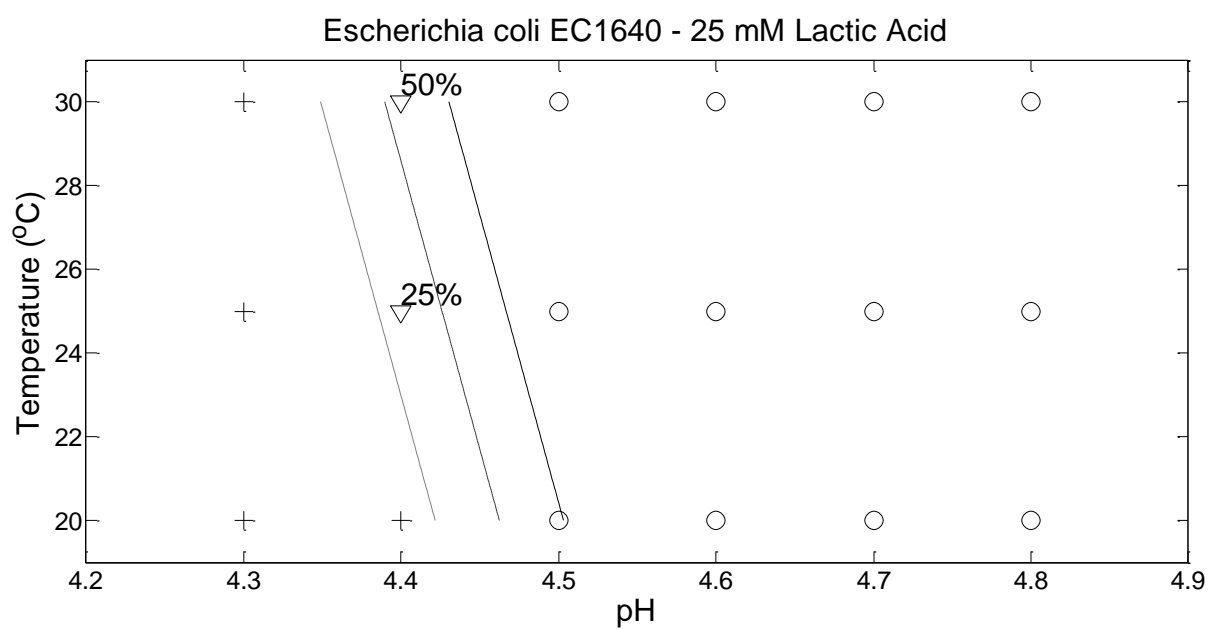
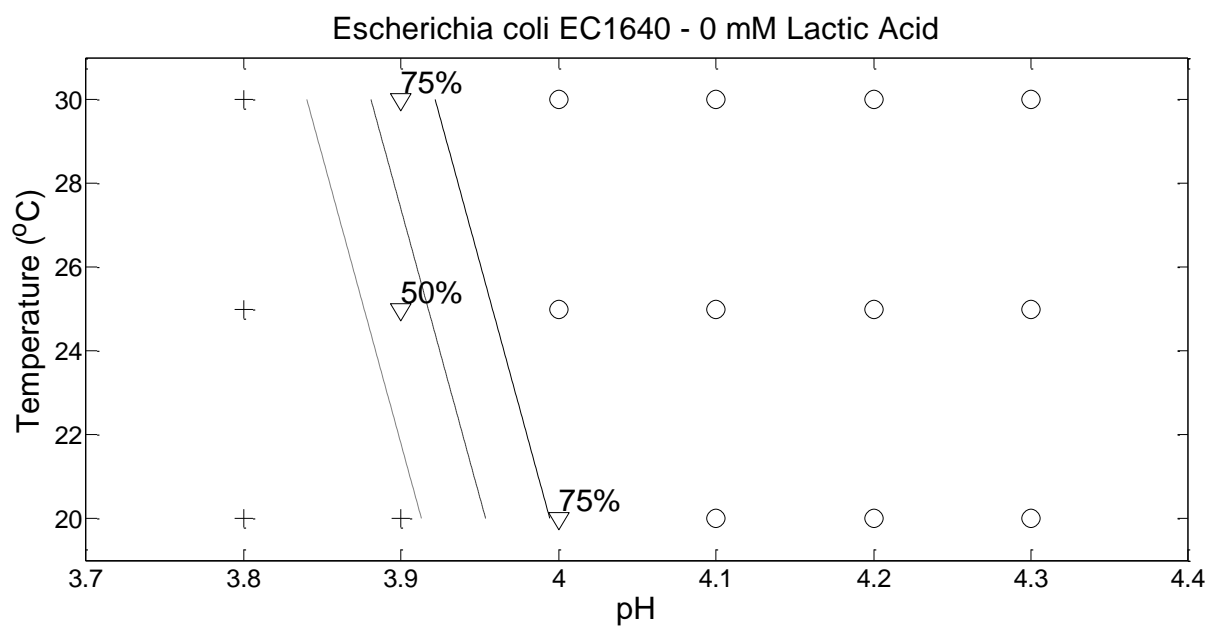
108. *E.coli* EC1640 Canine EPEC, 1004-1 (Prof. J. Mainil (Ulg, Liège, Belgium))

	z								
	Estimate	Std. Error	value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-220.96	57.34	-3.85	0.00	-365.16	-132.98	0.00	0.00	0.00
pH	53.90	14.02	3.85	0.00	32.44	89.40	2.57E+23	1.22E+14	6.70E+38
LA	-1.10	0.29	-3.81	0.00	-1.82	-0.65	0.33	0.16	0.52
Temp	0.39	0.15	2.56	0.01	0.13	0.75	1.48	1.14	2.12

Resid.					
Df	Deviance	Resid. Df	Dev	Pr(>Chi)	
NULL			143	172.04	
pH	1	27.07	142	144.97	0.00
LA	1	105.81	141	39.16	0.00
Temp	1	10.07	140	29.10	0.00

<b>AIC</b>	37.10
<b>Likelihood Ratio</b>	8.77E-31
<b>Log-Likelihood</b>	-14.55





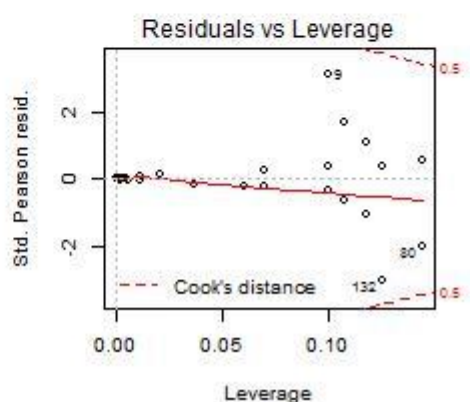
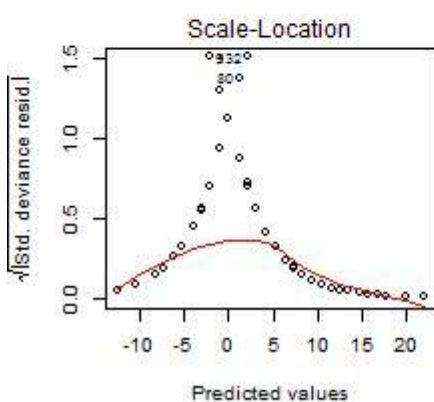
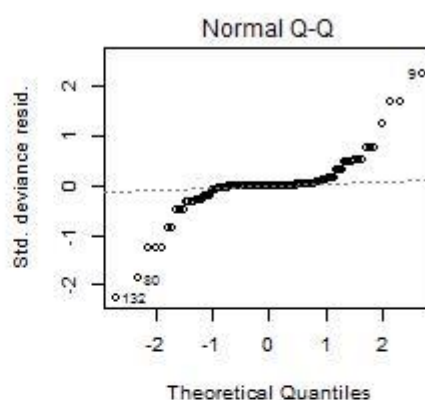
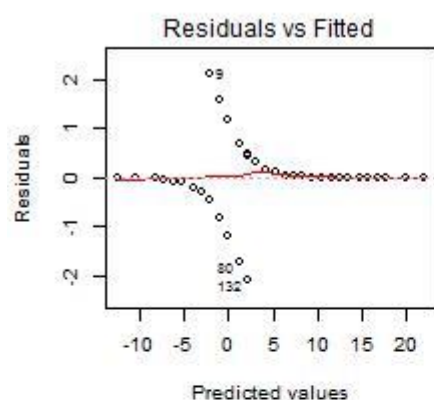


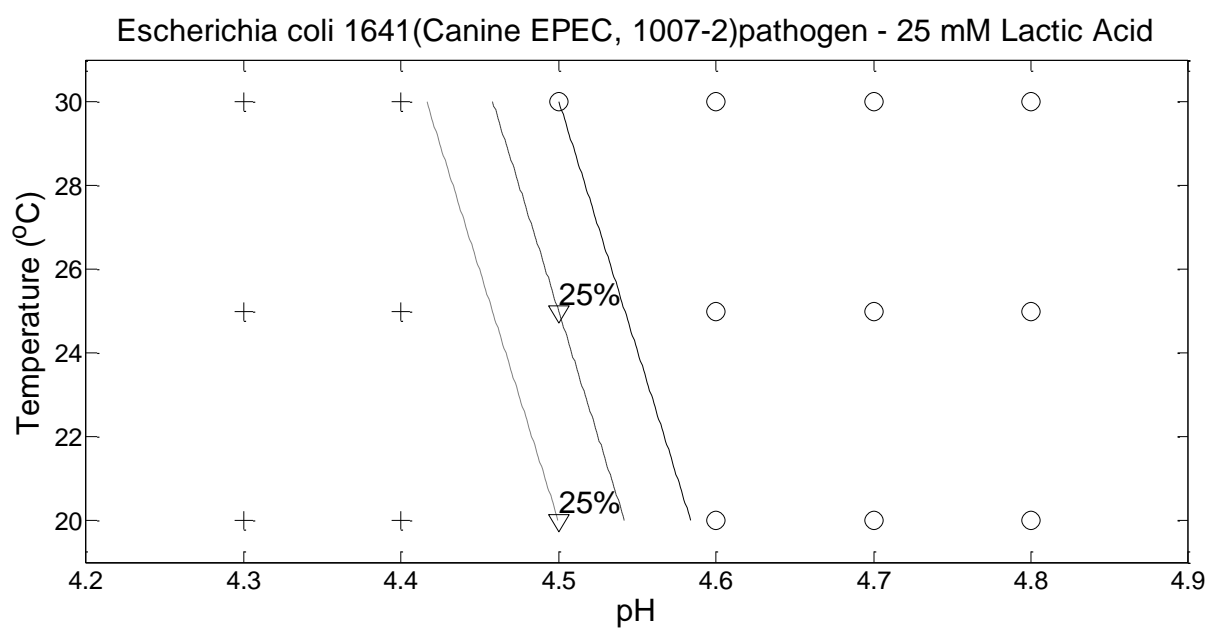
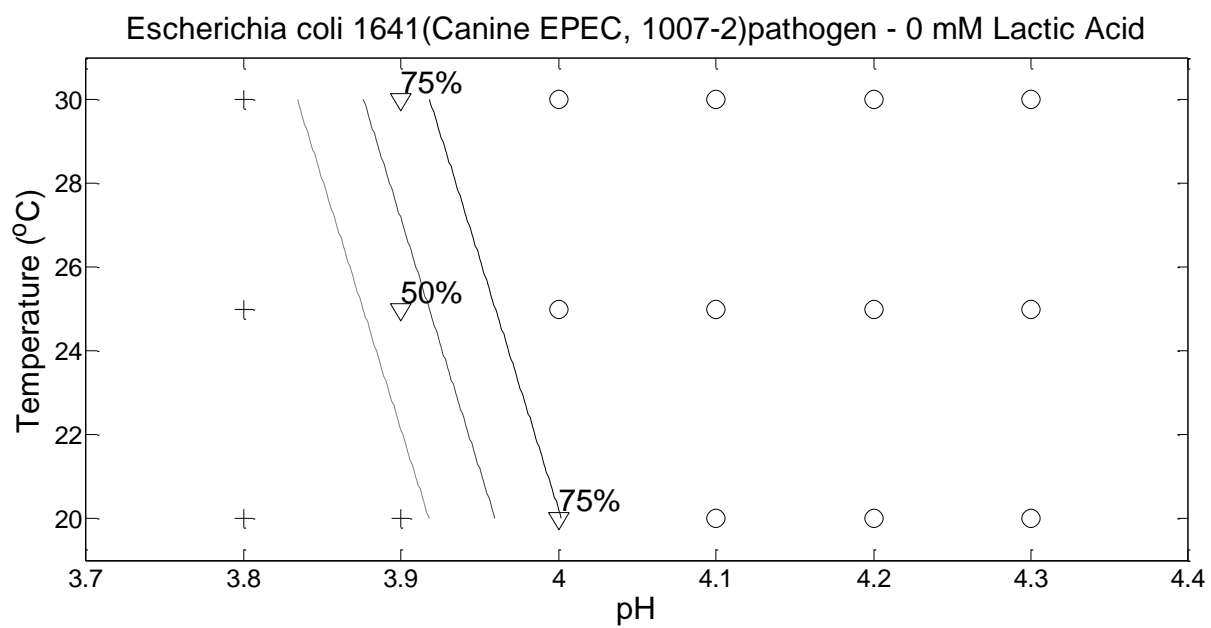
**109. *E.coli* EC1641 Canine EPEC, 1007-2 (Prof. J. Mainil (Ulg, Liège, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-215.67	53.66	-4.02	0.00	-351.35	-132.35	0.00	0.00	0.00
pH	52.26	13.07	4.00	0.00	32.05	85.70	4.96E+22	8.29E+13	1.66E+37
LA	-1.22	0.31	-3.98	0.00	-2.00	-0.74	0.30	0.14	0.48
Temp	0.44	0.16	2.75	0.01	0.17	0.83	1.55	1.19	2.28

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	185.96	
pH	1	15.61	142	170.35	0.00
LA	1	128.49	141	41.86	0.00
Temp	1	12.72	140	29.14	0.00

<b>AIC</b>	37.14
<b>Likelihood Ratio</b>	8.89E-34
<b>Log-Likelihood</b>	-14.57



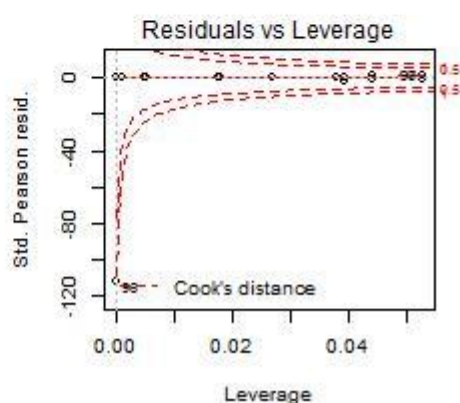
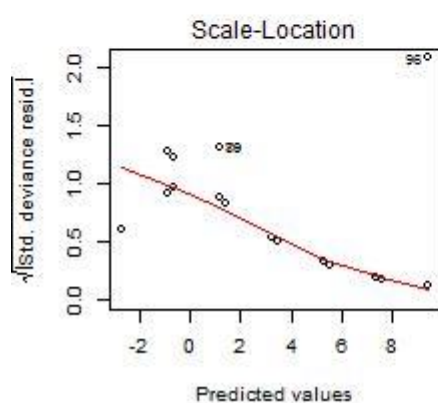
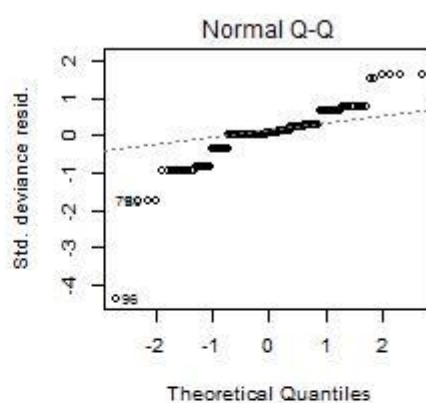
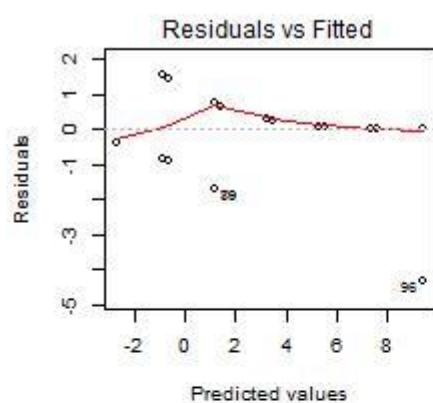


110. *E.coli* EC1642 Canine EPEC, 11646-1 (Prof. J. Mainil (Ulg, Liège, Belgium))

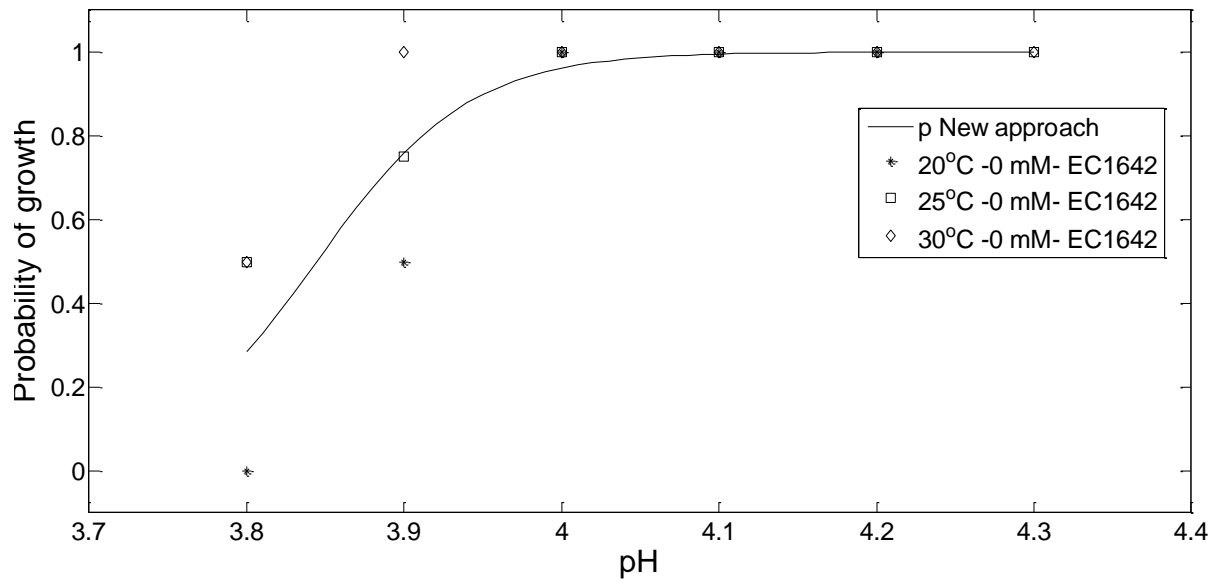
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-79.69	15.44	-5.16	0.00	-114.52	-53.41	0.00	0.00	0.00
pH	20.73	3.99	5.19	0.00	13.95	29.75	1.00E+09	1.14E+06	8.34E+12
LA	-0.49	0.09	-5.15	0.00	-0.70	-0.33	0.61	0.50	0.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	157.41	
pH	1	7.59	142	149.81	0.01
LA	1	80.73	141	69.08	0.00

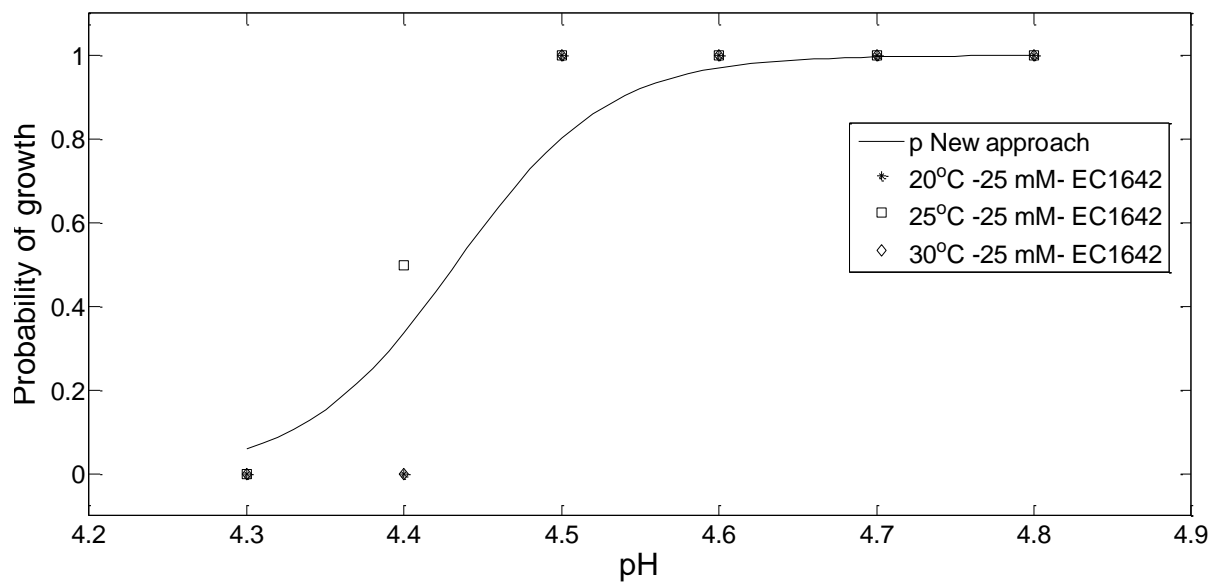
<b>AIC</b>	75.08
<b>Likelihood Ratio</b>	6.61E-20
<b>Log-Likelihood</b>	-34.54

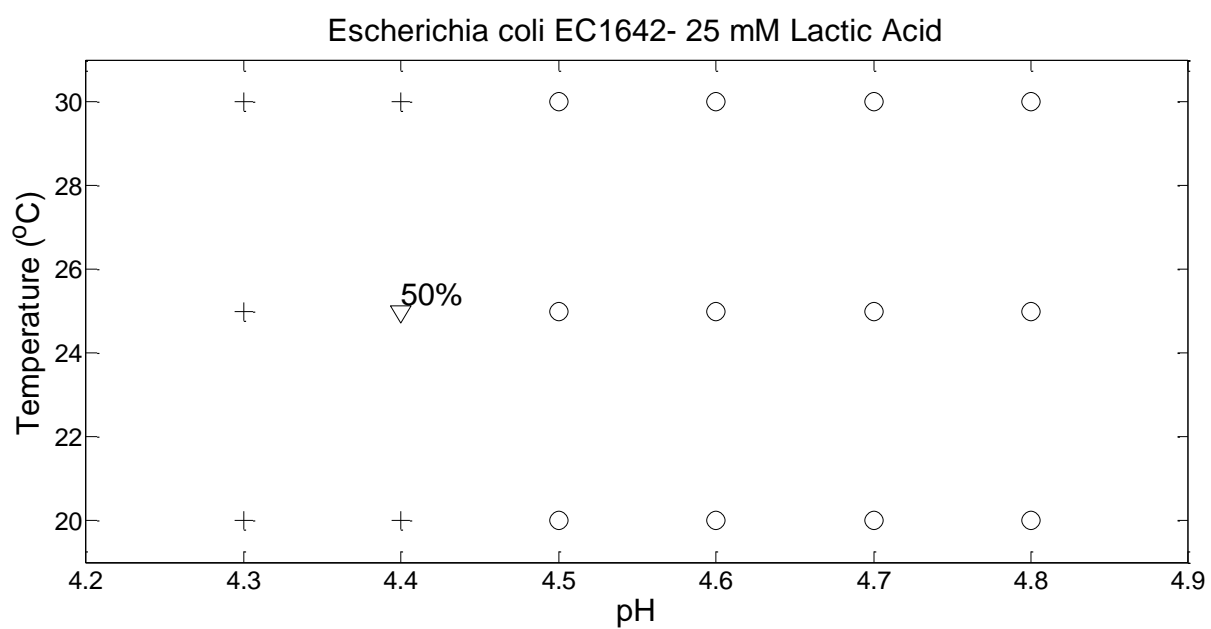
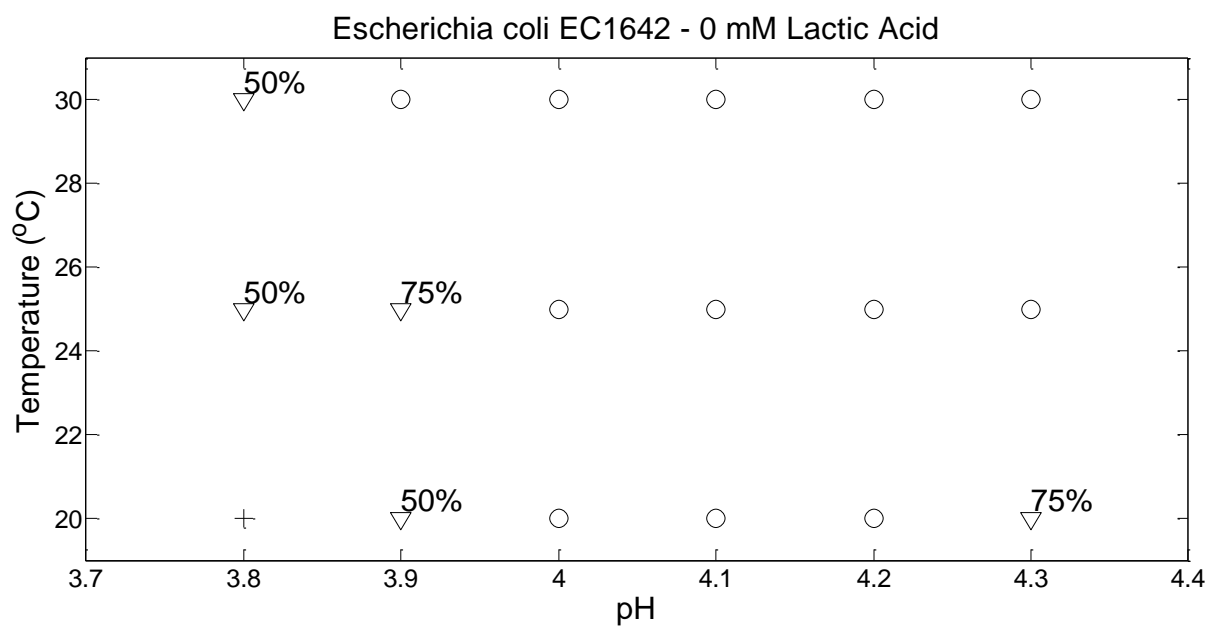


Escherichia coli EC1642 - 0 mM Lactic Acid



Escherichia coli EC1642 - 25 mM Lactic Acid





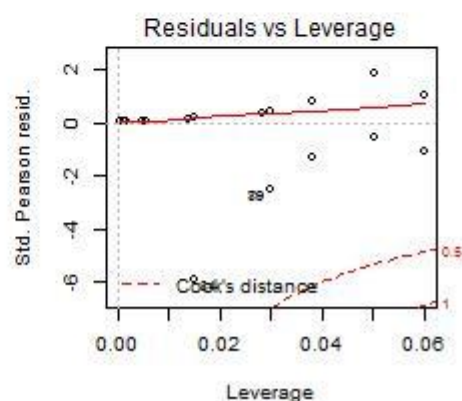
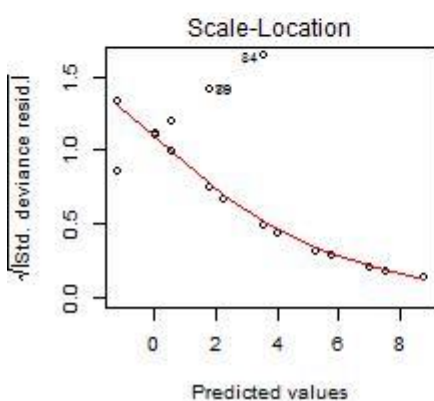
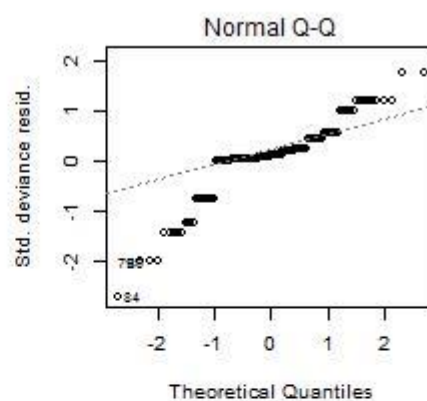
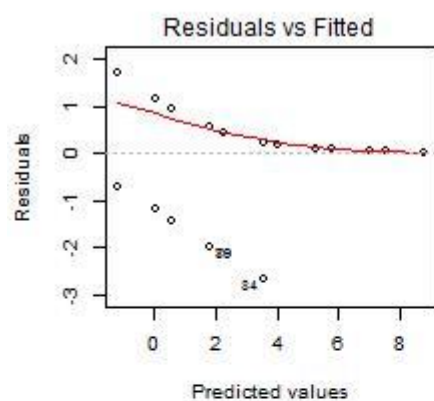


111. *E.coli* EC1643 Canine EPEC, 11647-3 (Prof. J. Mainil (Ulg, Liège, Belgium))

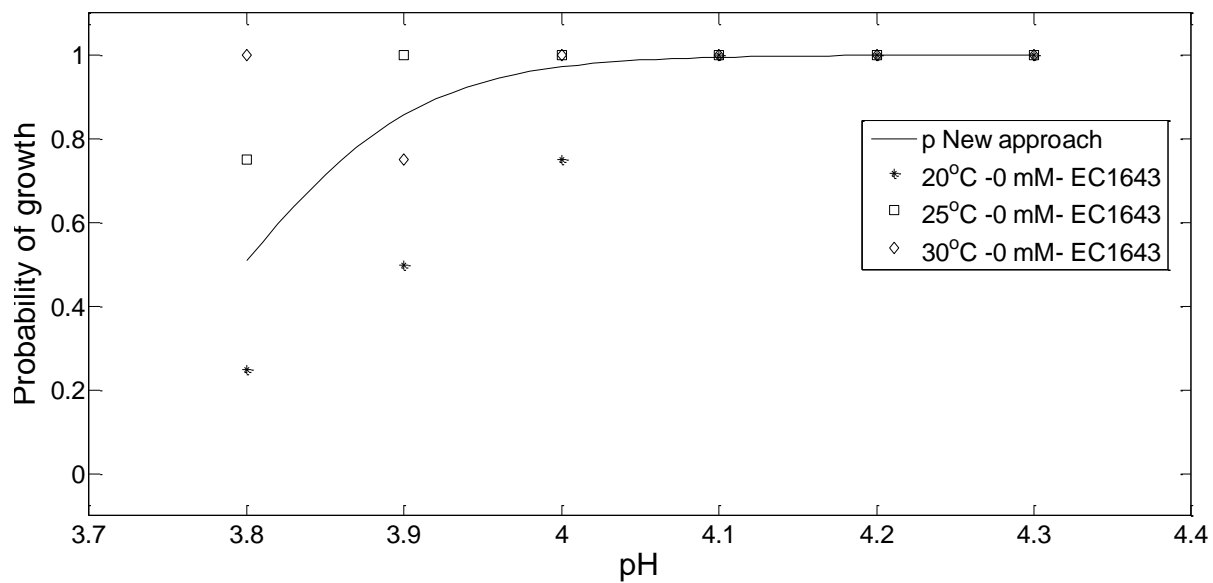
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-66.65	14.91	-4.47	0.00	-100.50	-41.41	0.00	0.00	0.00
pH	17.55	3.87	4.53	0.00	11.02	26.37	4.19E+07	6.09E+04	2.83E+11
LA	-0.40	0.09	-4.59	0.00	-0.60	-0.25	0.67	0.55	0.78

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	126.49	
pH	1	5.20	142	121.29	0.02
LA	1	52.11	141	69.18	0.00

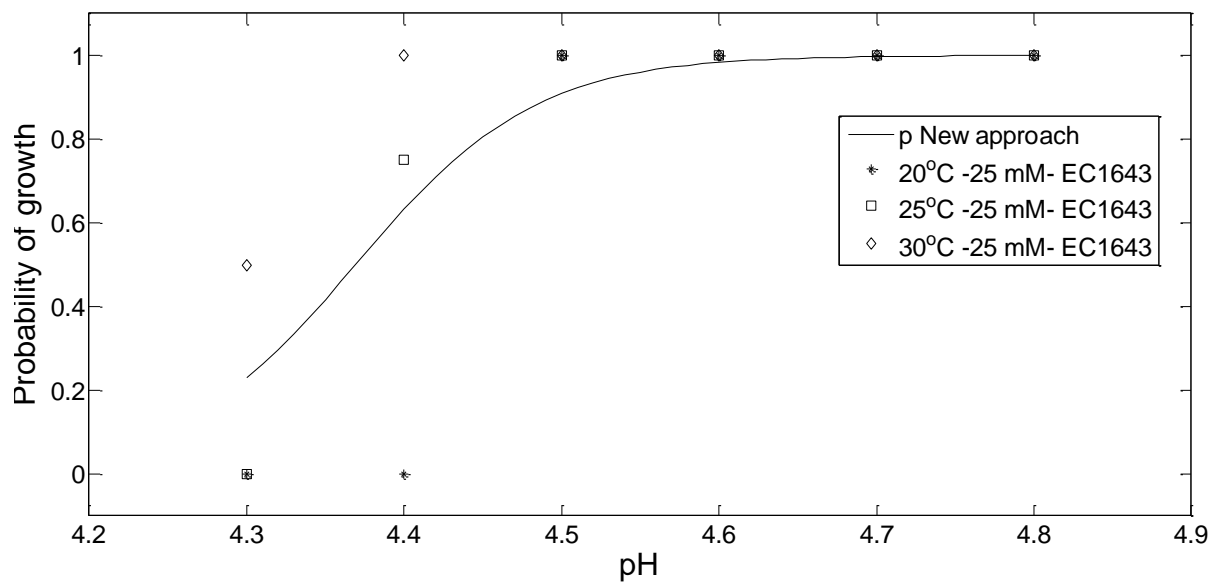
<b>AIC</b>	75.18
<b>Likelihood Ratio</b>	3.59E-13
<b>Log-Likelihood</b>	-34.59



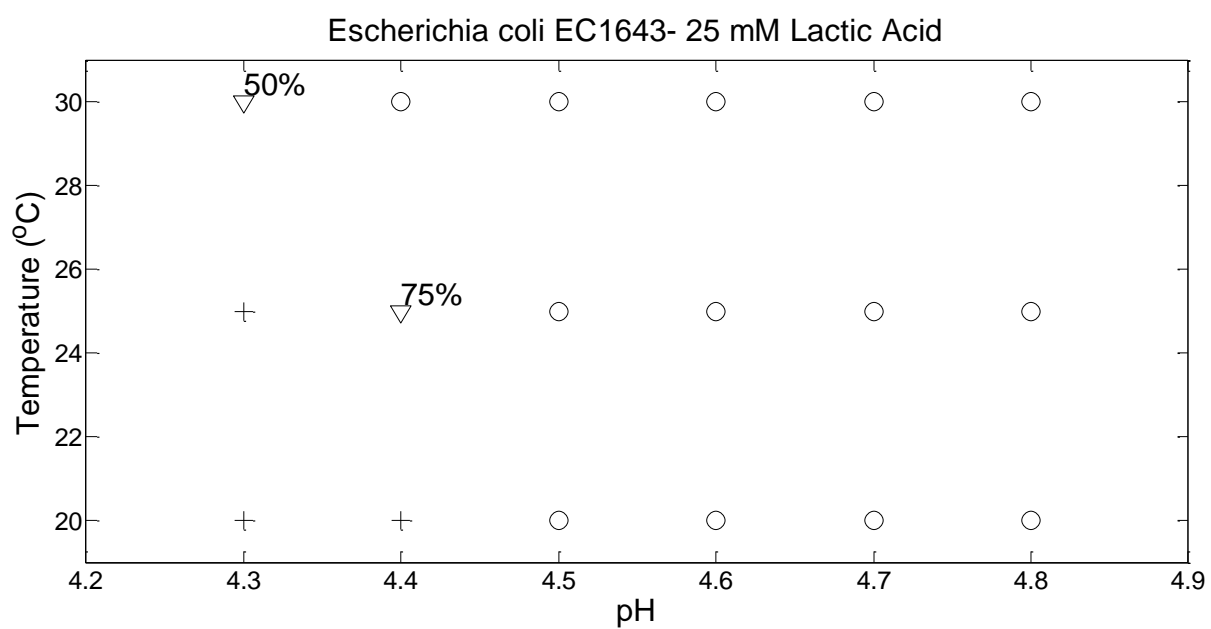
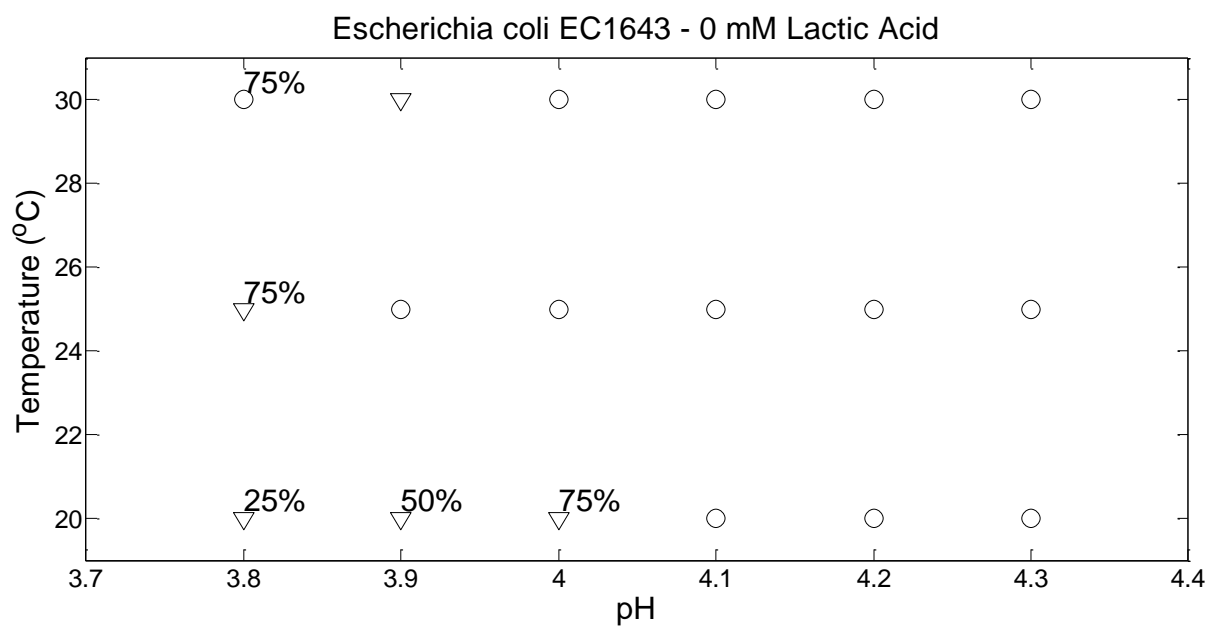
Escherichia coli EC1643 - 0 mM Lactic Acid



Escherichia coli EC1643 - 25 mM Lactic Acid







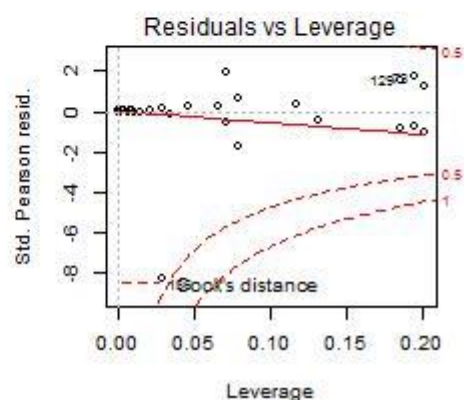
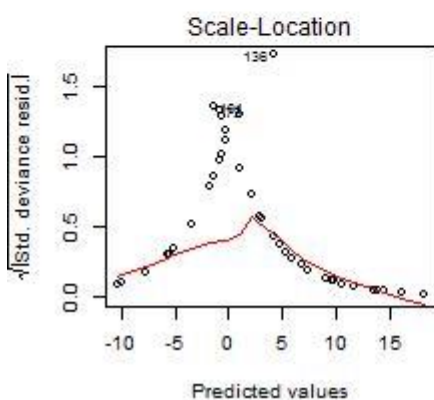
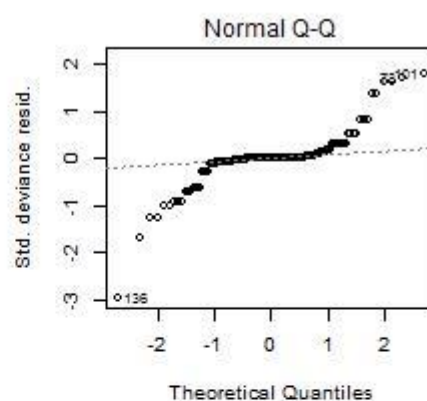
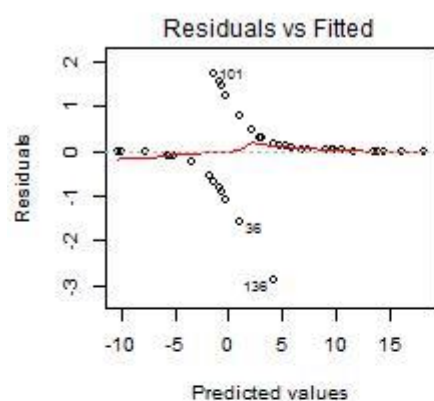


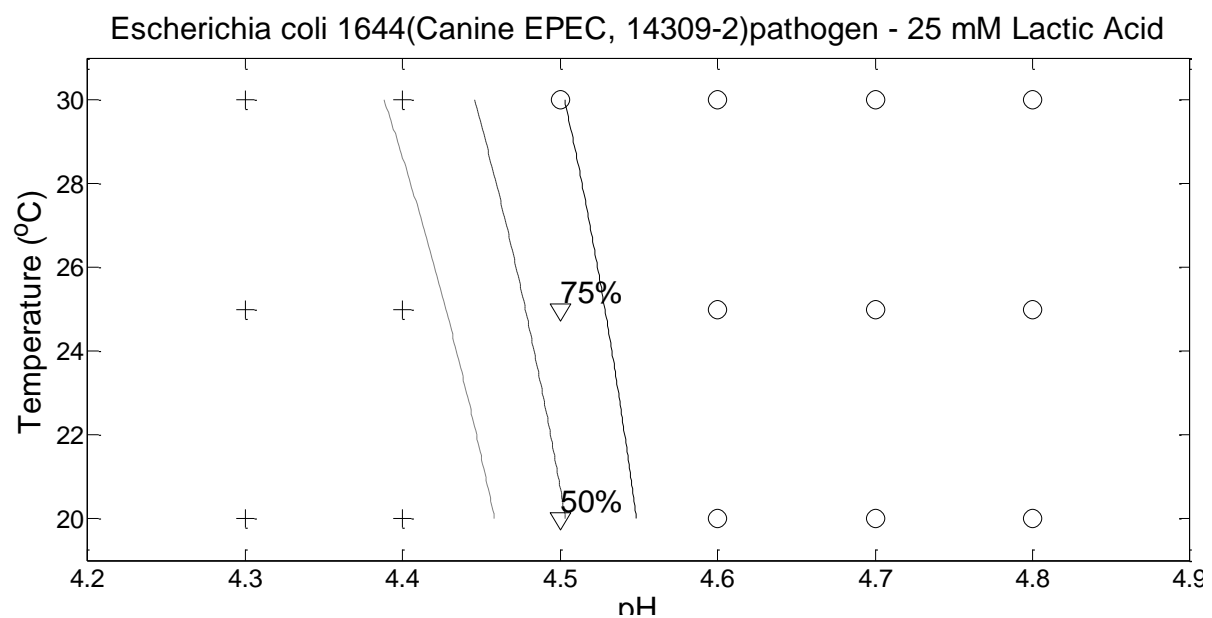
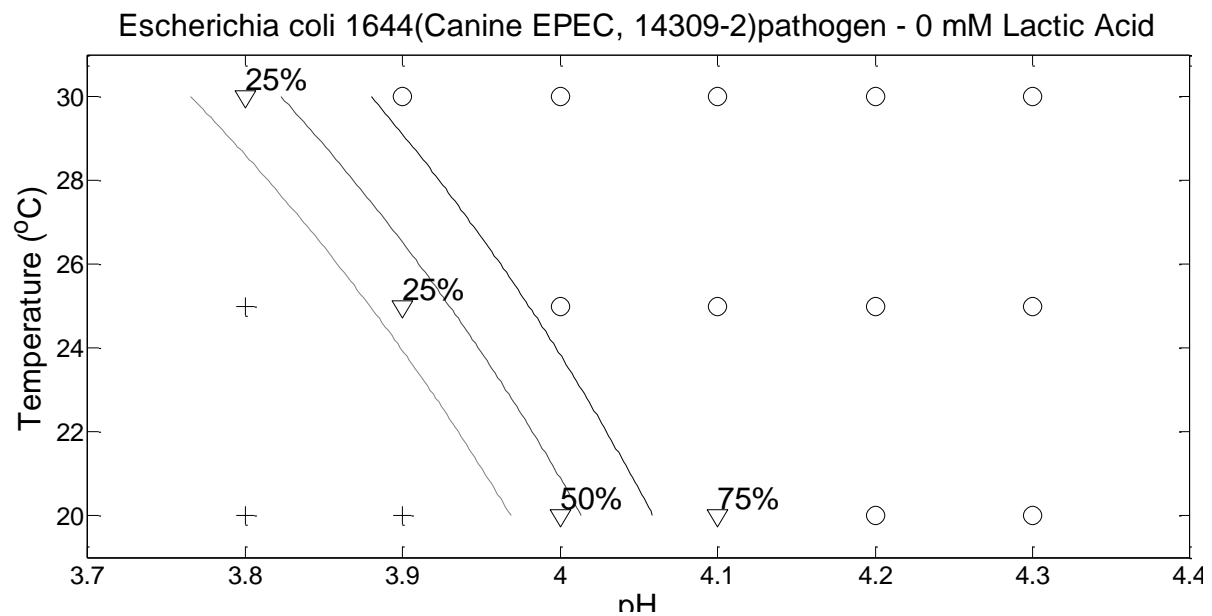
112. *E.coli* EC1644 Canine EPEC, 14309-2 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-293.72	82.80	-3.55	0.00	-504.32	-162.29	0.00	0.00	0.00
pH	69.53	19.66	3.54	0.00	38.37	119.65	1.58E+30	4.61E+16	9.17E+51
LA	-0.95	0.25	-3.87	0.00	-1.60	-0.58	0.39	0.20	0.56
Temp	4.91	1.93	2.54	0.01	1.53	9.40	135.49	4.61	12130.30
pH:Temp	-1.04	0.44	-2.36	0.02	-2.05	-0.26	0.35	0.13	0.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	183.32	
pH	1	19.10	142	164.22	0.00
LA	1	101.51	141	62.71	0.00
Temp	1	18.31	140	44.39	0.00
pH:Temp	1	7.18	139	37.22	0.01

<b>AIC</b>	47.22
<b>Likelihood Ratio</b>	1.39E-30
<b>Log-Likelihood</b>	-18.61



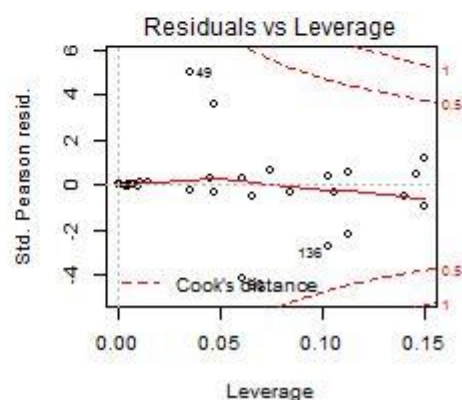
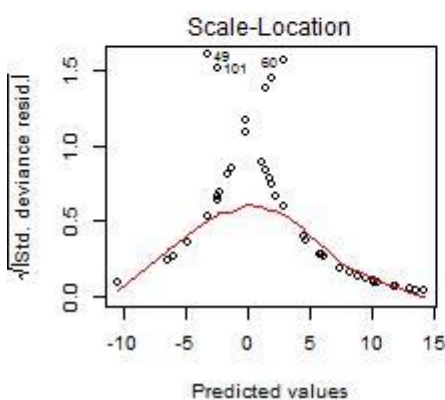
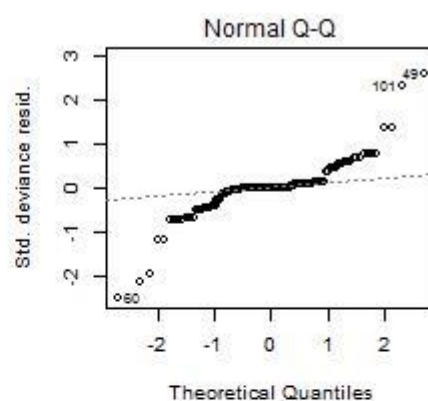
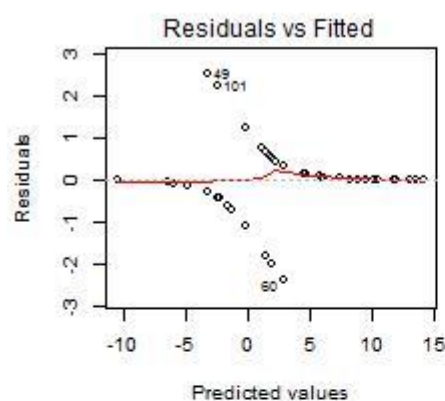


113. *E.coli* EC1645 Canine EPEC, B91-4 (Prof. J. Mainil (Ulg, Liège, Belgium))

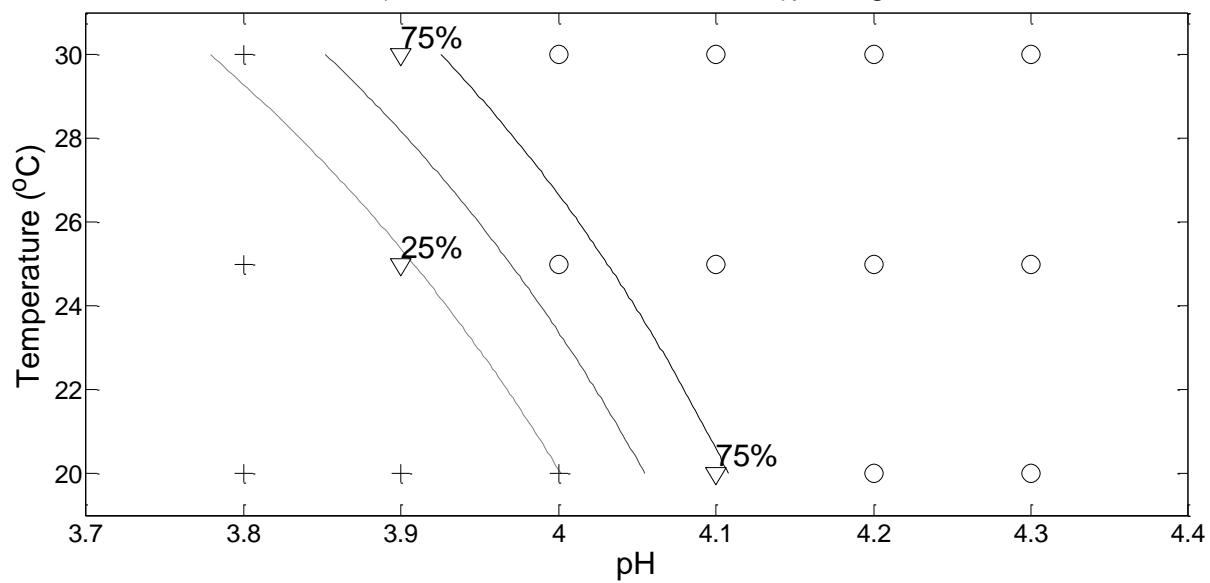
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-271.41	70.11	-3.87	0.00	-437.57	-154.17	0.00	0.00	0.00
pH	63.94	16.53	3.87	0.00	36.26	103.08	5.89E+27	5.58E+15	5.85E+44
LA	-0.67	0.14	-4.74	0.00	-0.99	-0.43	0.51	0.37	0.65
Temp	5.20	1.98	2.63	0.01	1.74	9.76	180.45	5.69	1.73E+04
pH:Temp	-1.13	0.46	-2.47	0.01	-2.19	-0.32	0.32	0.11	0.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	33.33	142	148.57	0.00
LA	1	80.89	141	67.68	0.00
Temp	1	16.47	140	51.21	0.00
pH:Temp	1	8.04	139	43.17	0.00

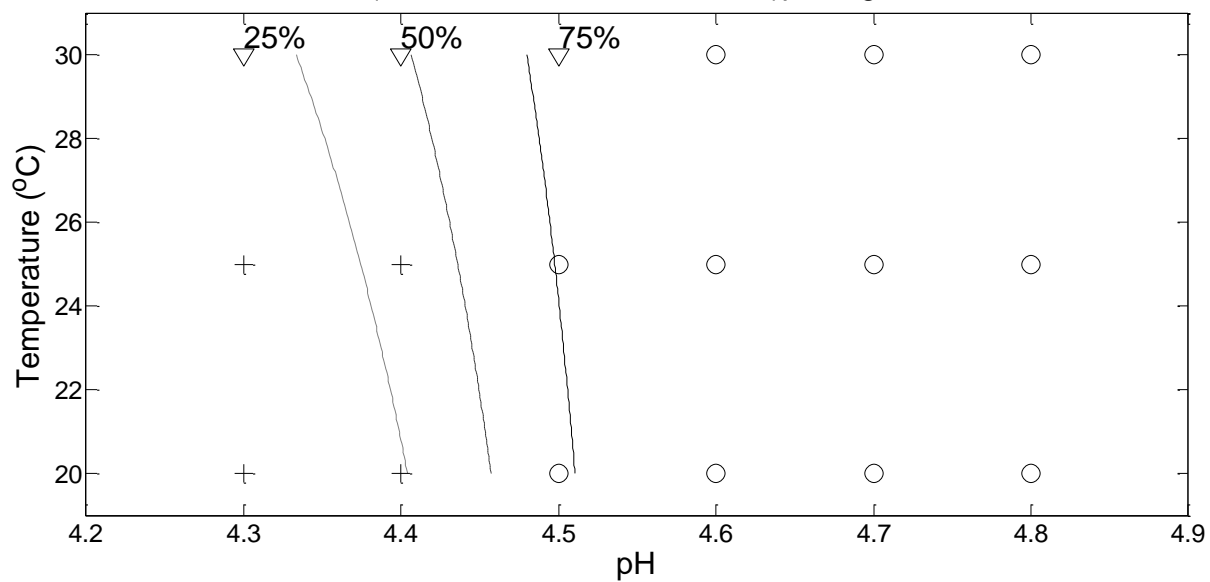
<b>AIC</b>	53.17
<b>Likelihood Ratio</b>	5.29E-29
<b>Log-Likelihood</b>	-21.59



Escherichia coli 1645(Canine EPEC, B91-4, B89-1)pathogen - 0 mM Lactic Acid



Escherichia coli 1645(Canine EPEC, B91-4, B89-1)pathogen - 25 mM Lactic Acid

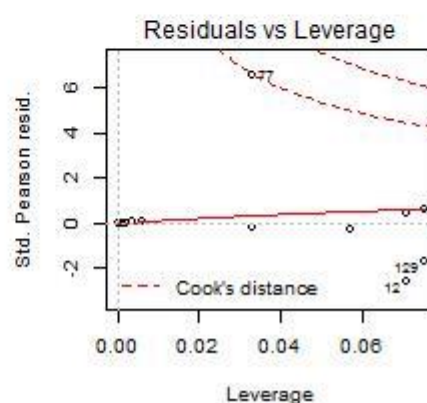
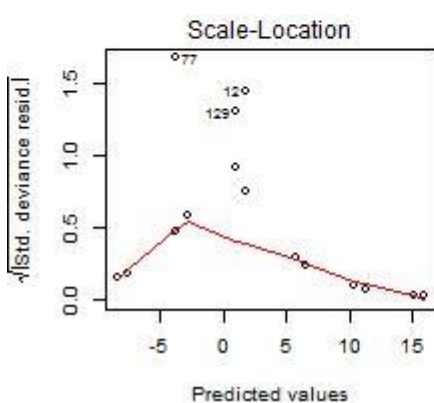
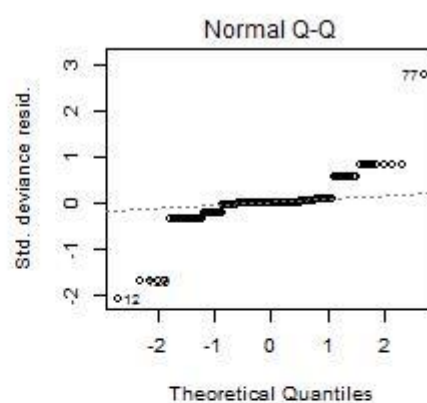
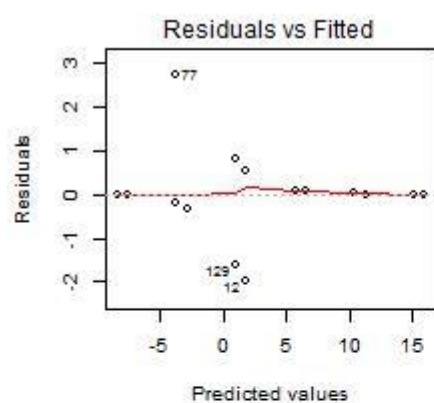


114. *E.coli* EC1646 Canine EPEC, B89-1(Prof. J. Mainil (Ulg, Liège, Belgium))

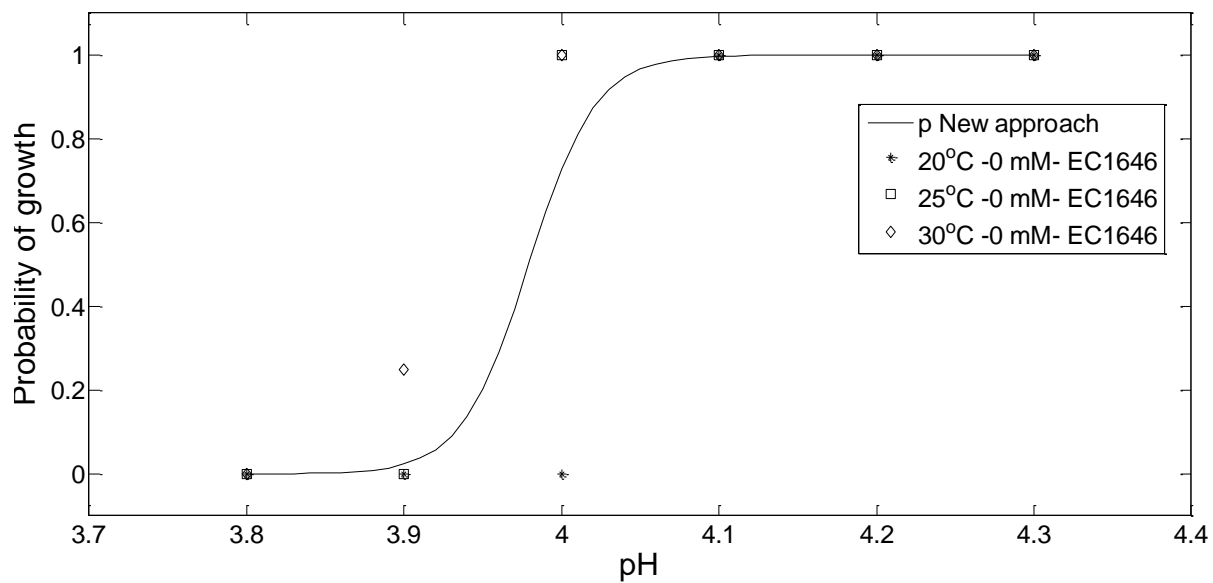
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-187.79	45.28	-4.15	0.00	-309.10	-118.02	0.00	0.00	0.00
pH	47.20	11.34	4.16	0.00	29.69	77.55	3.14E+20	7.84E+12	4.77E+33
LA	-0.91	0.22	-4.12	0.00	-1.51	-0.57	0.40	0.22	0.57

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	188.37	
pH	1	37.66	142	150.70	0.00
LA	1	118.51	141	32.19	0.00

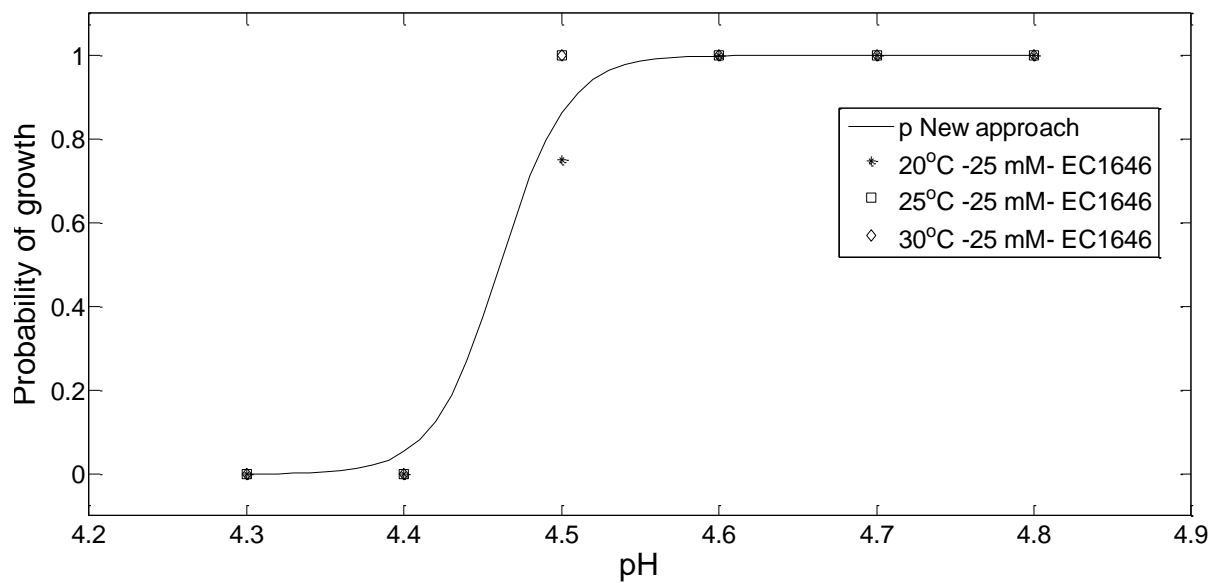
<b>AIC</b>	38.19
<b>Likelihood Ratio</b>	1.22E-34
<b>Log-Likelihood</b>	-16.10



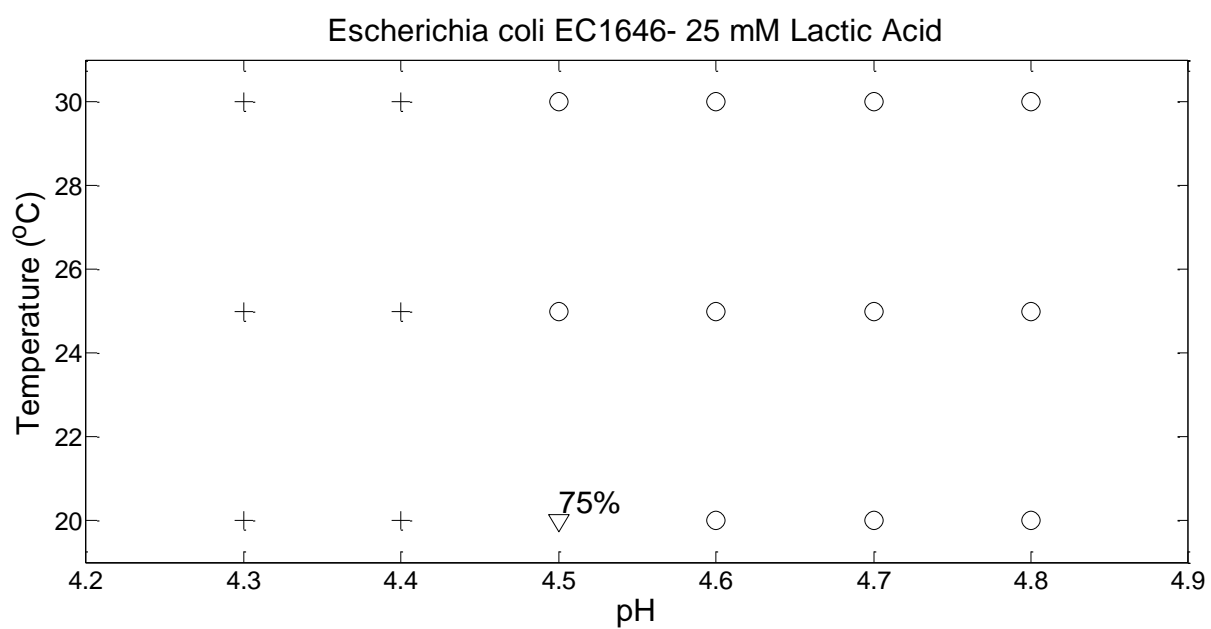
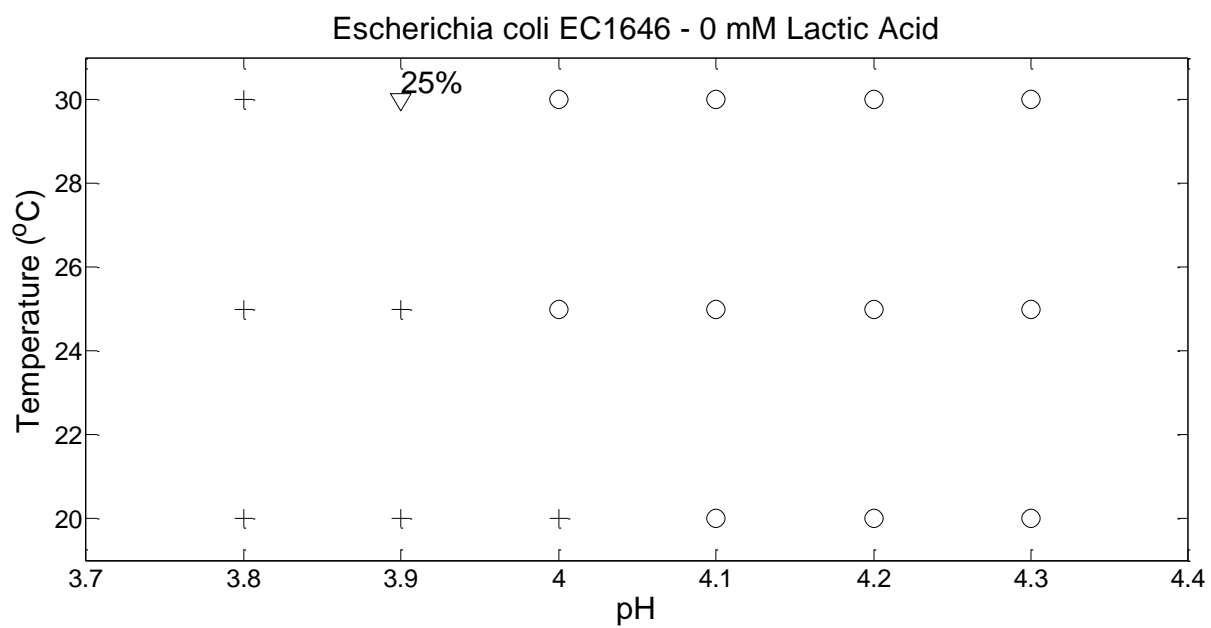
Escherichia coli EC1646 - 0 mM Lactic Acid



Escherichia coli EC1646 - 25 mM Lactic Acid







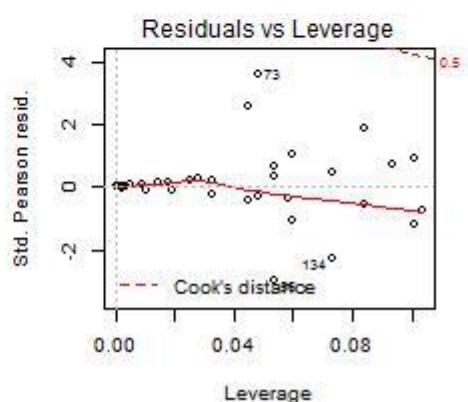
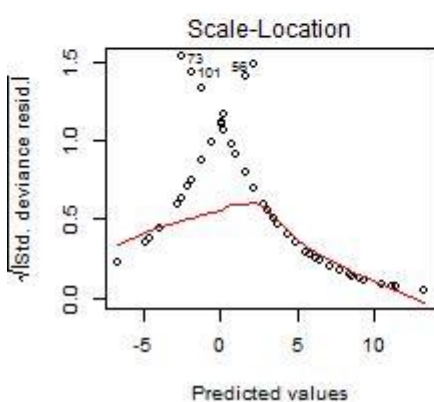
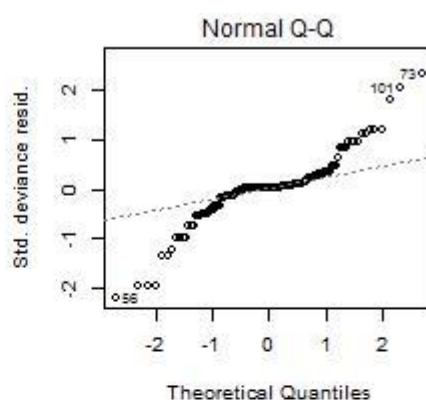
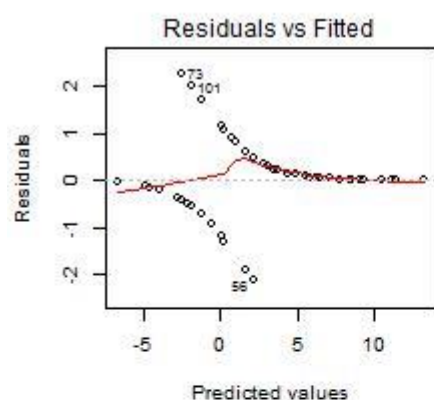


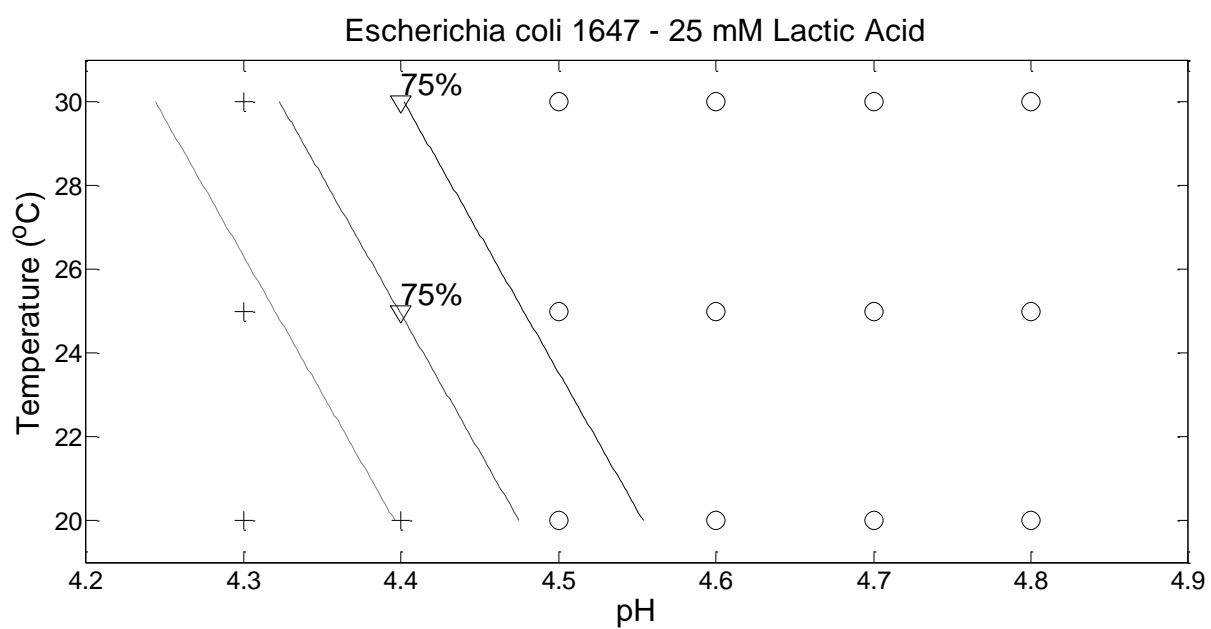
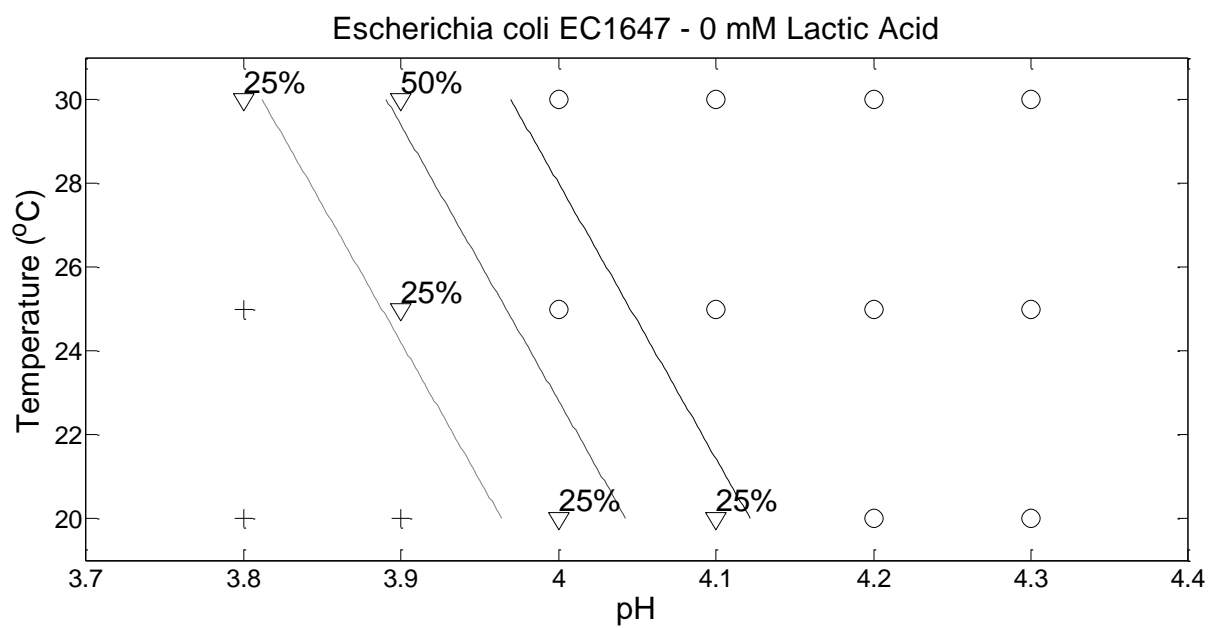
115. *E.coli* EC1647 Canine EPEC, B92-1 (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-121.03	24.34	-4.97	0.00	-178.33	-81.06	0.00	0.00	0.00
pH	27.84	5.60	4.98	0.00	18.64	40.98	1.24E+12	1.24E+08	6.28E+17
LA	-0.48	0.10	-4.75	0.00	-0.72	-0.31	0.62	0.49	0.73
Temp	0.42	0.12	3.61	0.00	0.22	0.69	1.53	1.25	1.99

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	177.26	
pH	1	40.01	142	137.26	0.00
LA	1	61.11	141	76.15	0.00
Temp	1	21.24	140	54.91	0.00

<b>AIC</b>	62.91
<b>Likelihood Ratio</b>	2.41E-26
<b>Log-Likelihood</b>	-27.46



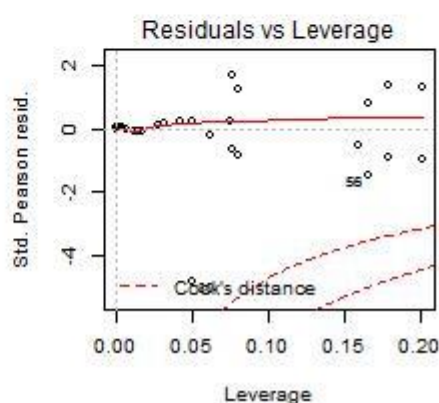
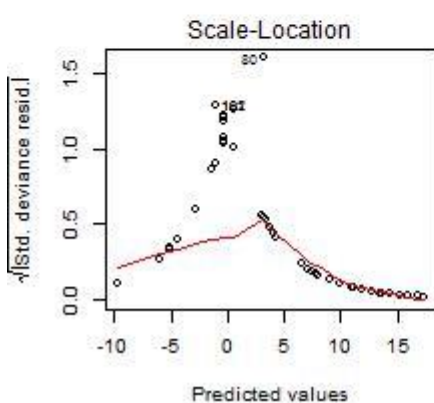
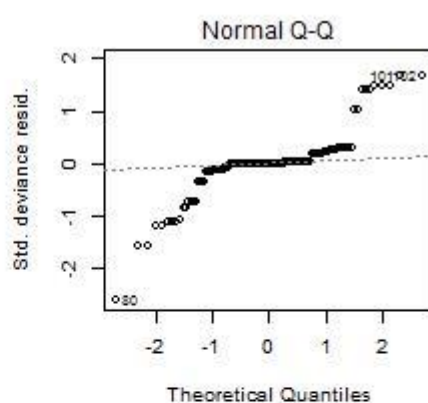
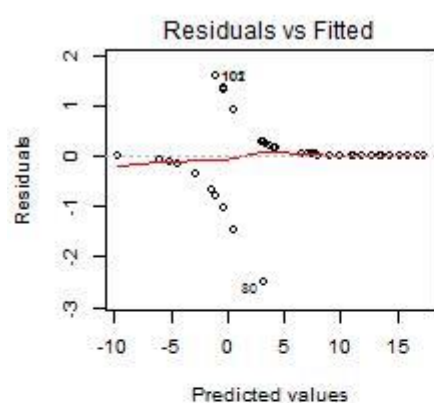


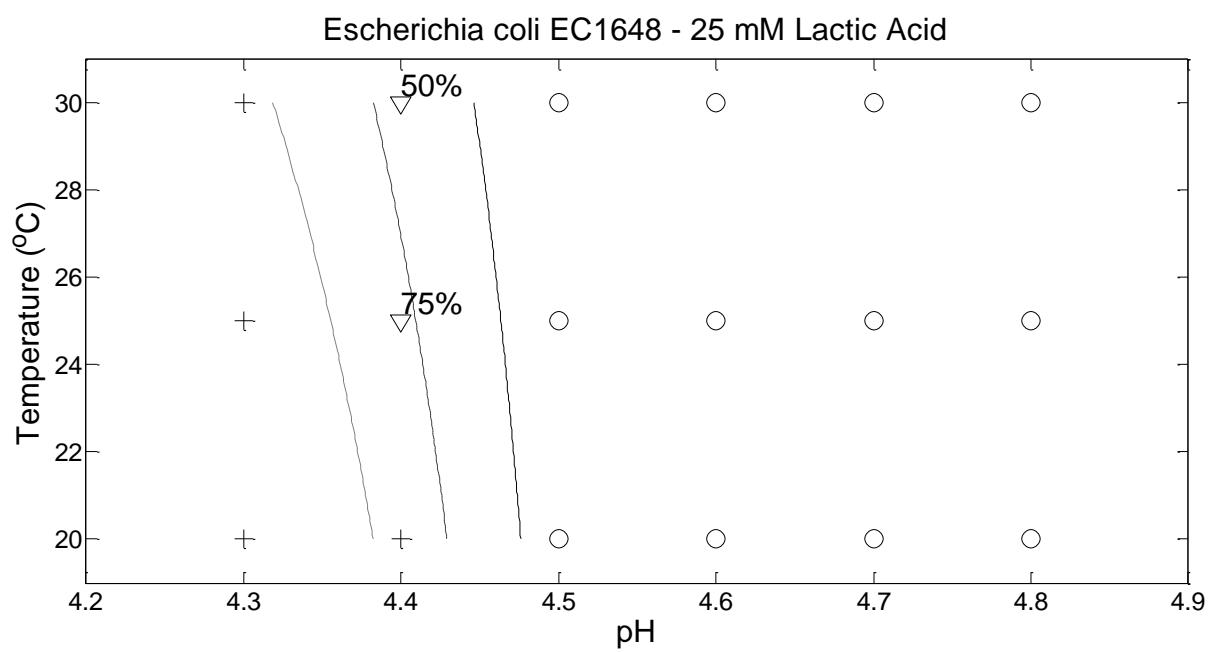
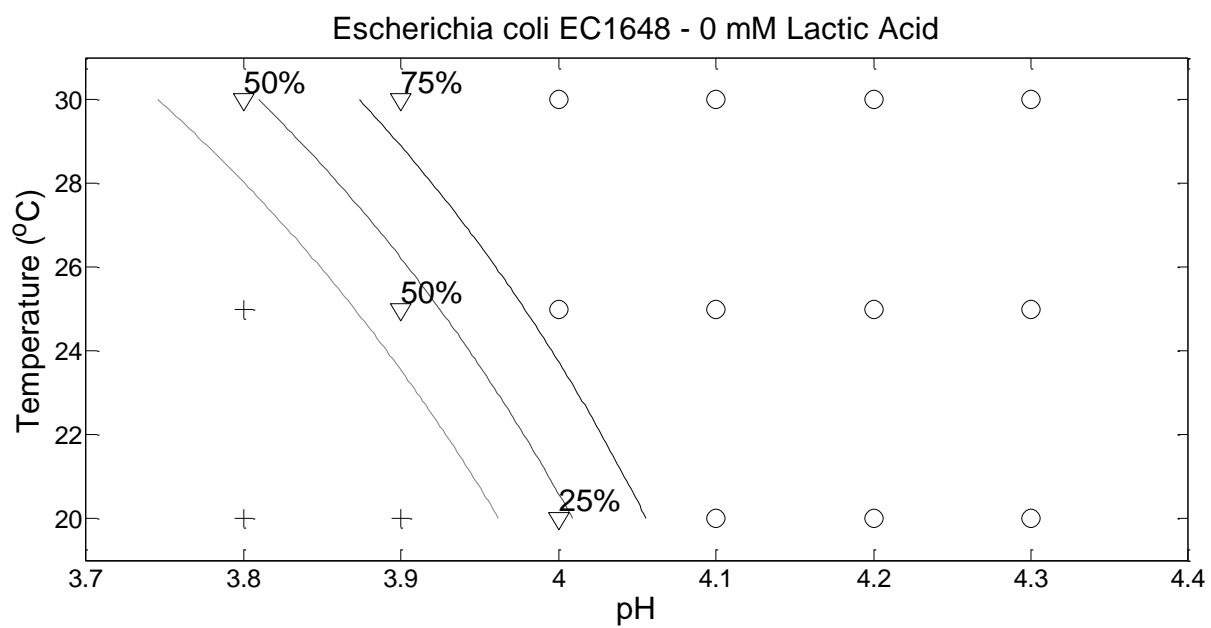
116. *E.coli* EC1648 Feline EPEC, 43750 II (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-301.84	89.14	-3.39	0.00	-541.86	-163.81	0.00	0.00	0.00
pH	71.87	21.37	3.36	0.00	38.87	129.53	1.64E+31	7.59E+16	1.80E+56
LA	-0.79	0.20	-3.86	0.00	-1.35	-0.48	0.45	0.26	0.62
Temp	5.69	2.23	2.55	0.01	1.93	11.20	295.72	6.88	72867.64
pH:Temp	-1.25	0.52	-2.40	0.02	-2.52	-0.37	0.29	0.08	0.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	26.60	142	141.61	0.00
LA	1	76.48	141	65.14	0.00
Temp	1	17.14	140	48.00	0.00
pH:Temp	1	8.42	139	39.58	0.00

<b>AIC</b>	49.58
<b>Likelihood Ratio</b>	7.6E-27
<b>Log-Likelihood</b>	-19.79



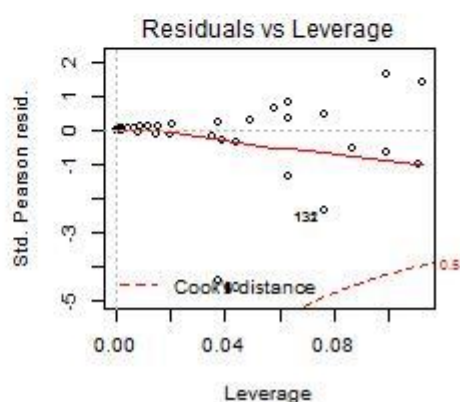
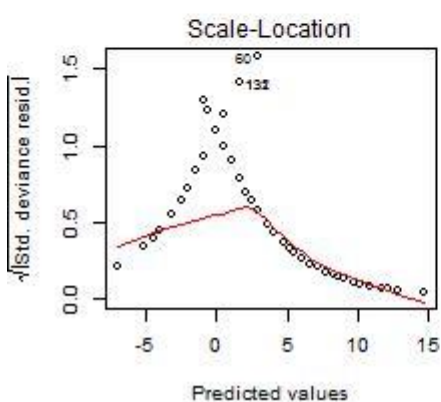
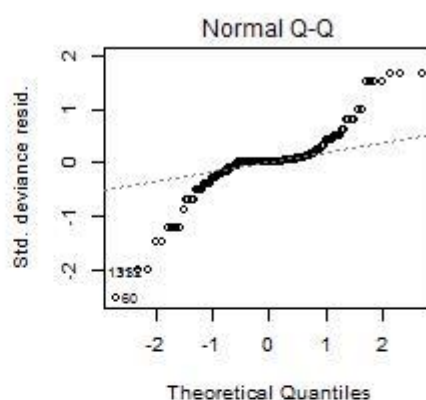
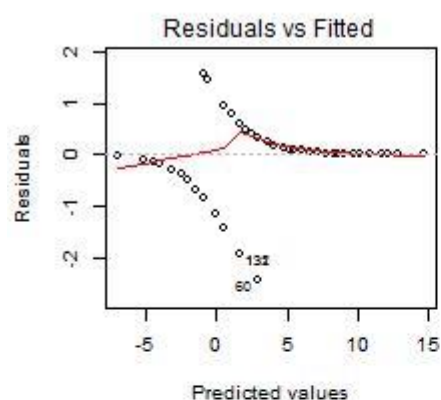


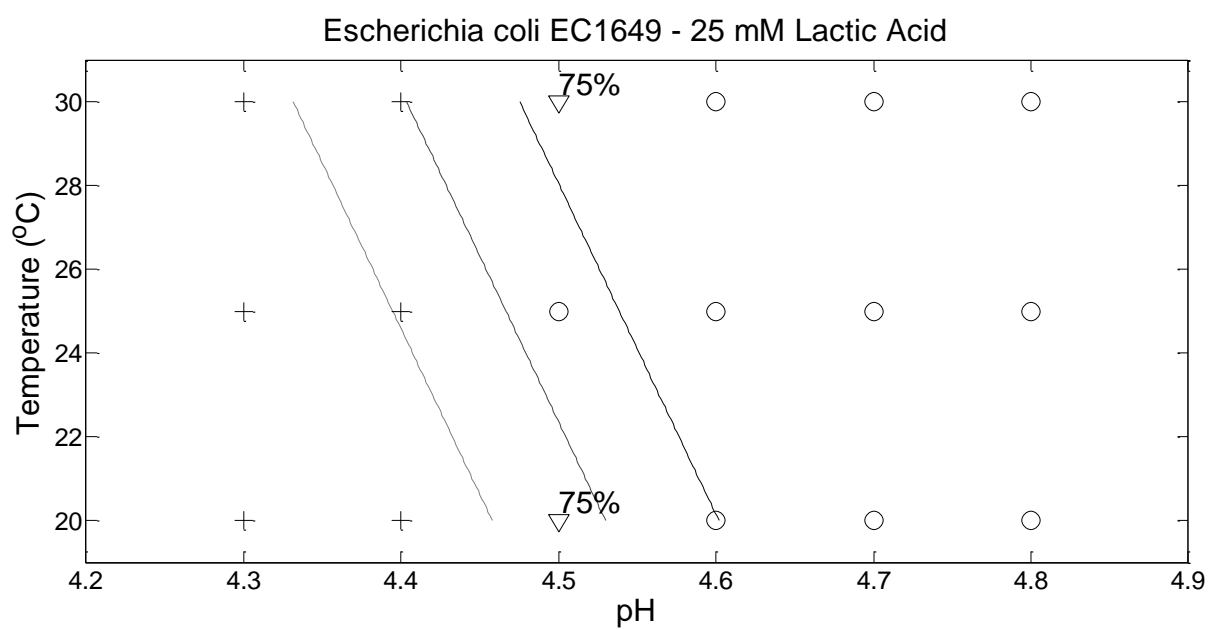
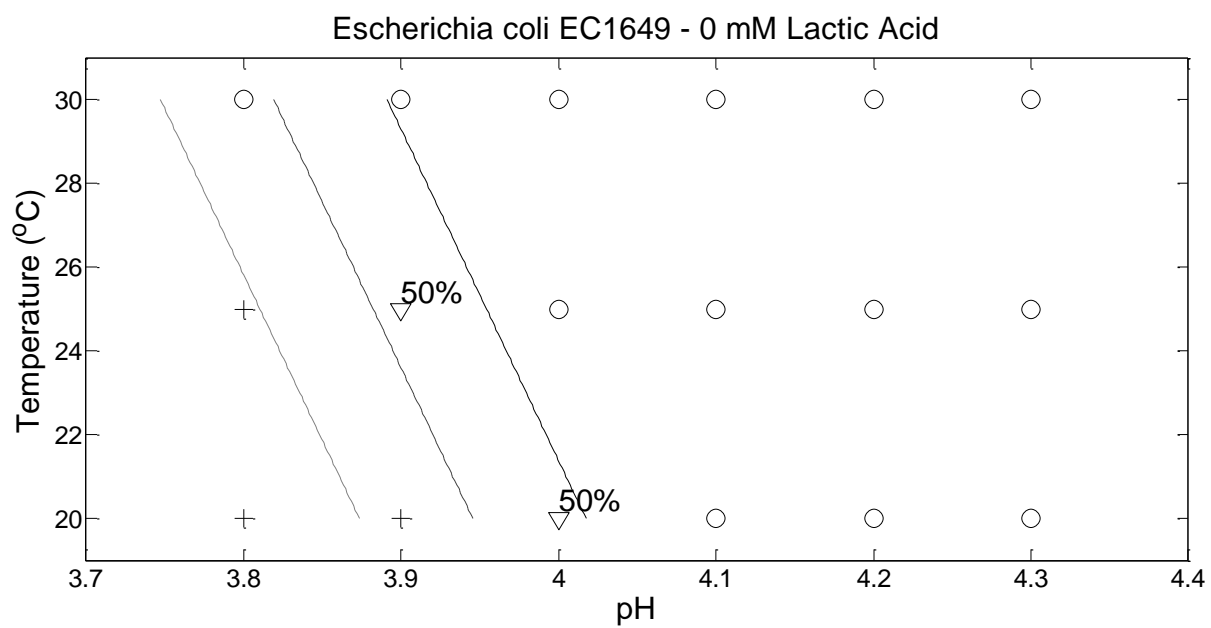
117. *E.coli* EC1649 Feline EPEC, 43750 I (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-128.19	26.73	-4.80	0.00	-191.28	-84.57	0.00	0.00	0.00
pH	30.54	6.36	4.80	0.00	20.15	45.54	1.83E+13	5.65E+08	6.01E+19
LA	-0.71	0.15	-4.74	0.00	-1.07	-0.47	0.49	0.34	0.63
Temp	0.39	0.12	3.30	0.00	0.18	0.65	1.47	1.20	1.92

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	173.85	
pH	1	11.03	142	162.82	0.00
LA	1	95.99	141	66.83	0.00
Temp	1	16.56	140	50.27	0.00

<b>AIC</b>	58.27
<b>Likelihood Ratio</b>	1.31E-26
<b>Log-Likelihood</b>	-25.14





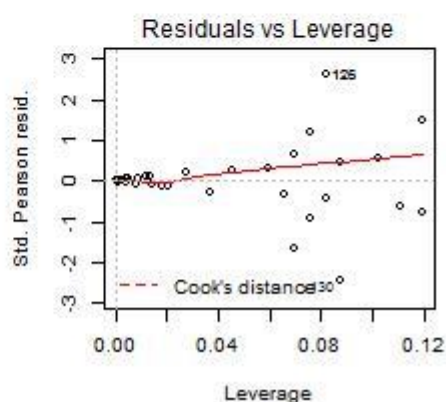
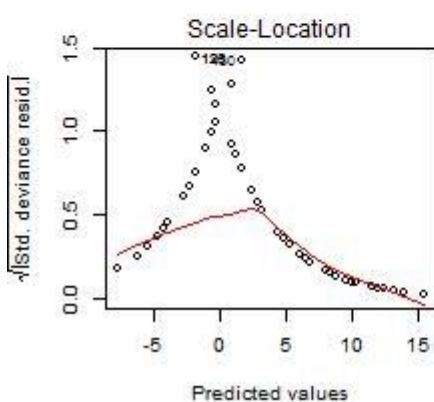
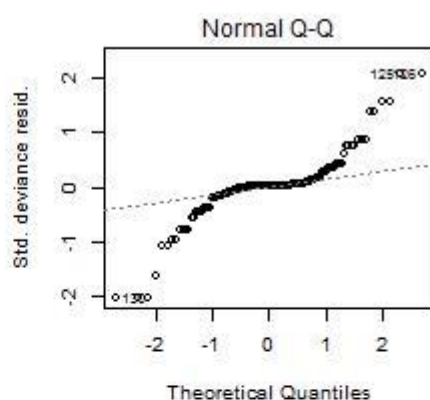
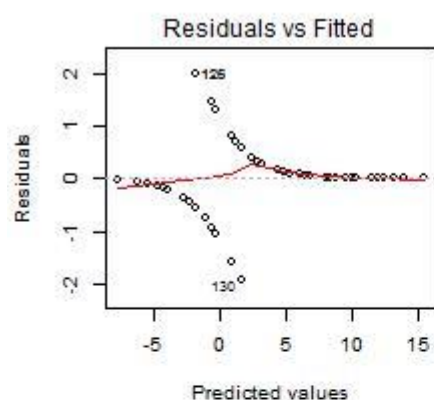


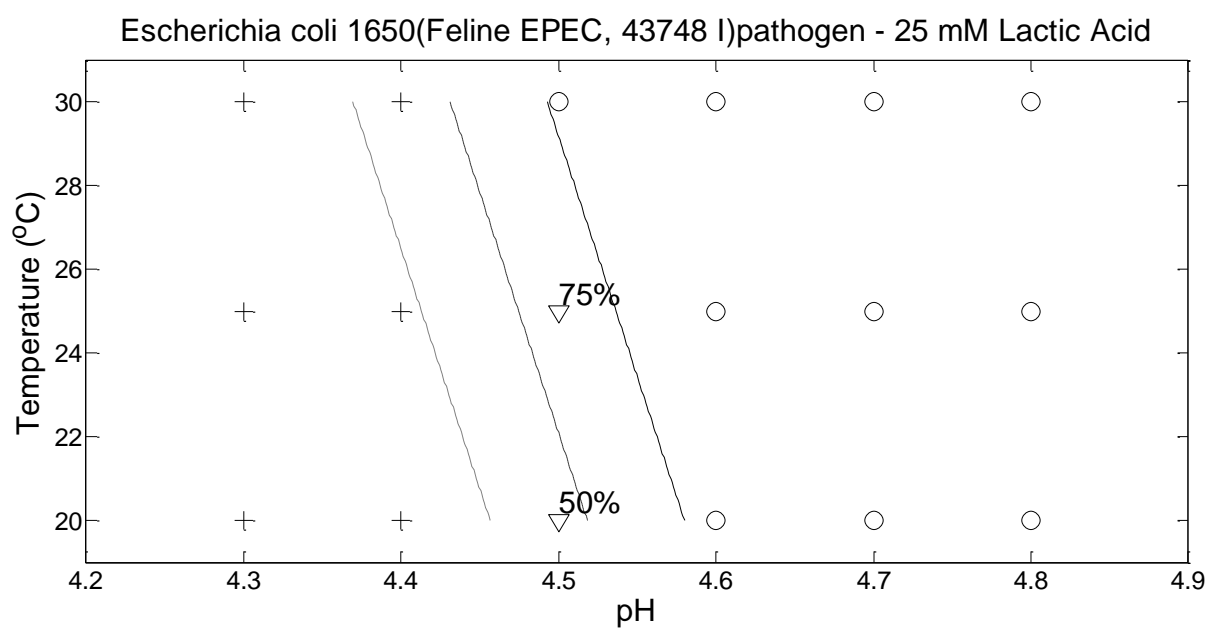
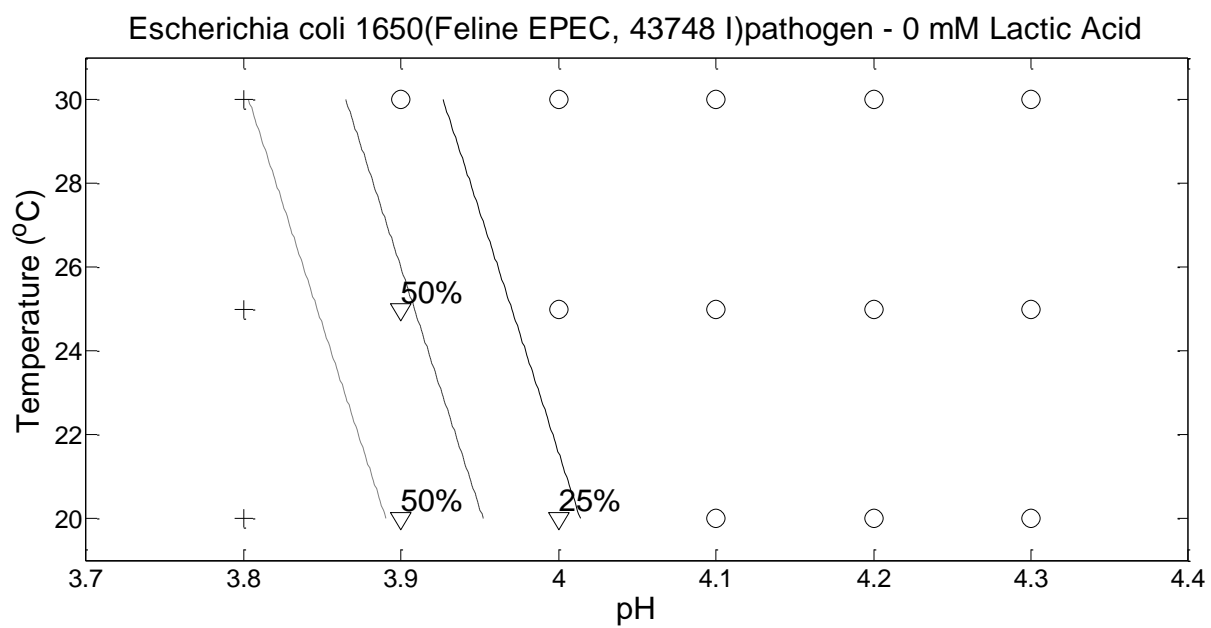
118. *E.coli* EC1650 Feline EPEC, 43748 I (Prof. J. Mainil (Ulg, Liège, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-146.87	31.45	-4.67	0.00	-221.72	-96.04	0.00	0.00	0.00
pH	35.59	7.61	4.68	0.00	23.30	53.72	2.87E+15	1.32E+10	2.15E+23
LA	-0.81	0.17	-4.63	0.00	-1.22	-0.52	0.45	0.30	0.59
Temp	0.31	0.12	2.69	0.01	0.11	0.57	1.36	1.11	1.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	180.42	
pH	1	16.34	142	164.08	0.00
LA	1	110.38	141	53.69	0.00
Temp	1	9.77	140	43.92	0.00

<b>AIC</b>	51.92
<b>Likelihood Ratio</b>	2.15E-29
<b>Log-Likelihood</b>	-21.96



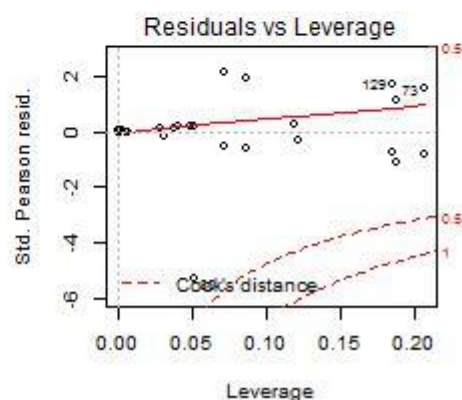
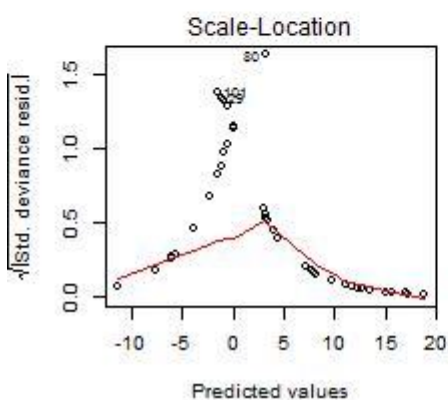
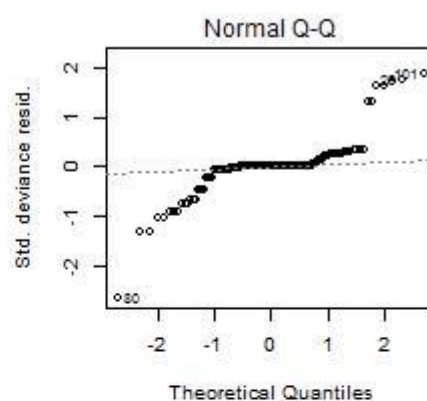
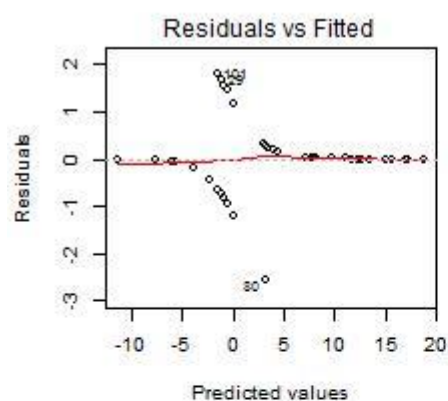


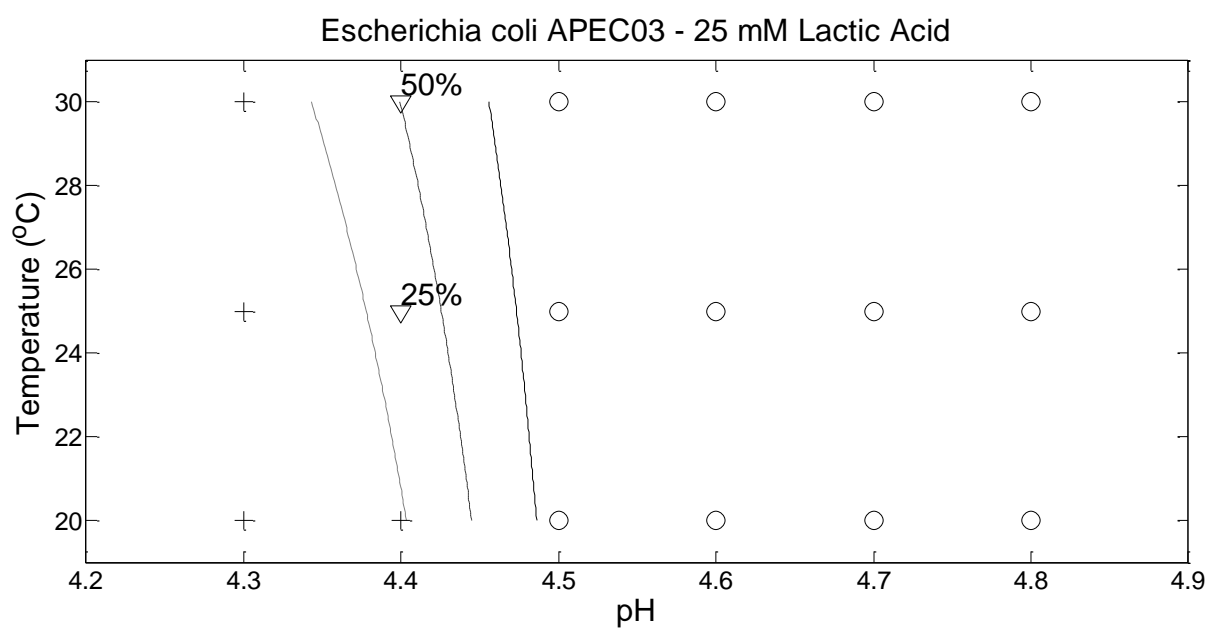
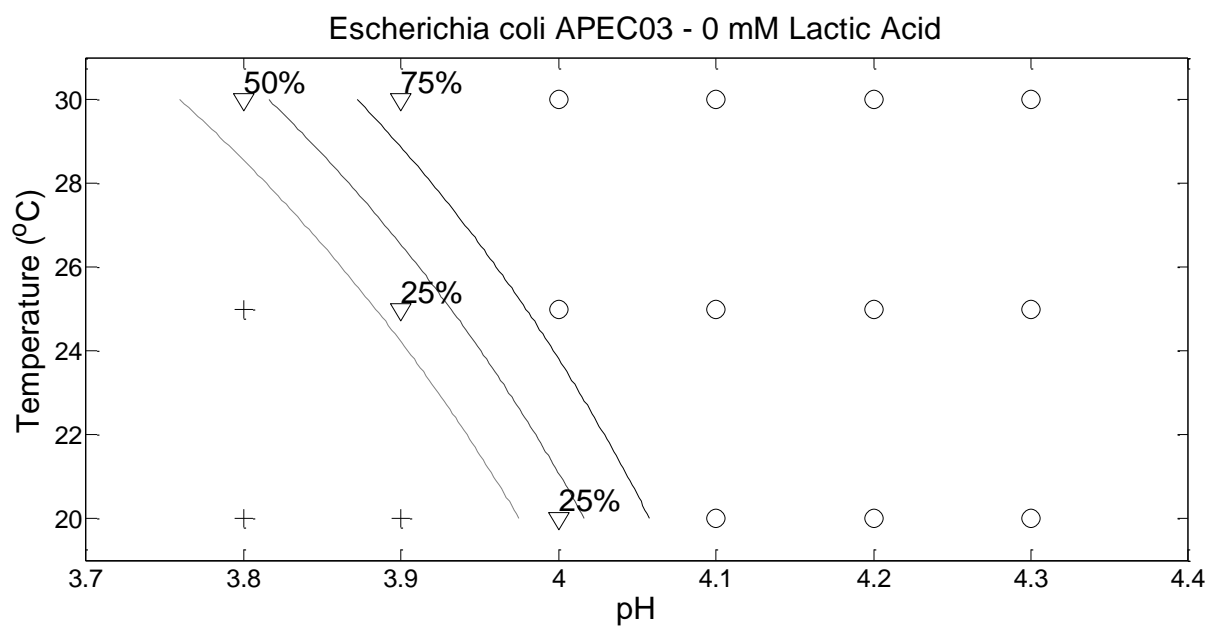
**119. *E.coli* APEC03 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-342.50	97.13	-3.53	0.00	-608.83	-191.29	0.00	0.00	0.00
pH	81.38	23.24	3.50	0.00	45.32	145.34	2.21E+35	4.83E+19	1.31E+63
LA	-0.91	0.24	-3.85	0.00	-1.55	-0.55	0.40	0.21	0.58
Temp	6.46	2.38	2.72	0.01	2.50	12.50	636.29	12.18	2.69E+05
pH:Temp	-1.41	0.55	-2.56	0.01	-2.81	-0.49	0.24	0.06	0.61

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	173.85	
pH	1	26.61	142	147.23	0.00
LA	1	84.60	141	62.64	0.00
Temp	1	18.27	140	44.37	0.00
pH:Temp	1	10.21	139	34.16	0.00

<b>AIC</b>	44.16
<b>Likelihood Ratio</b>	3.3E-29
<b>Log-Likelihood</b>	-17.08



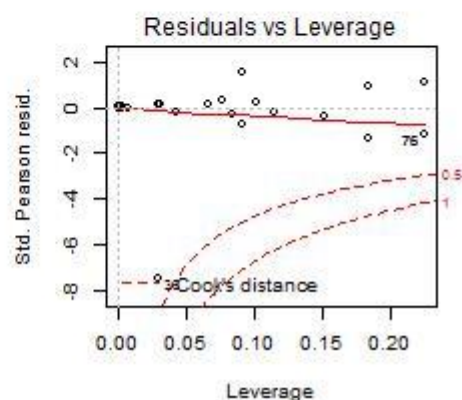
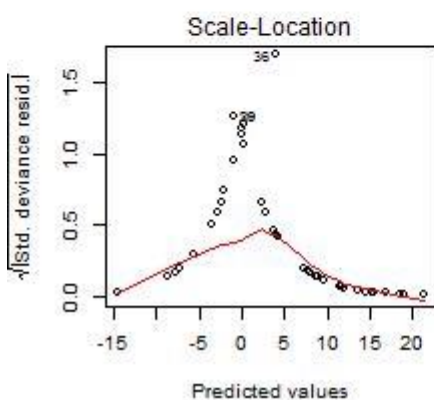
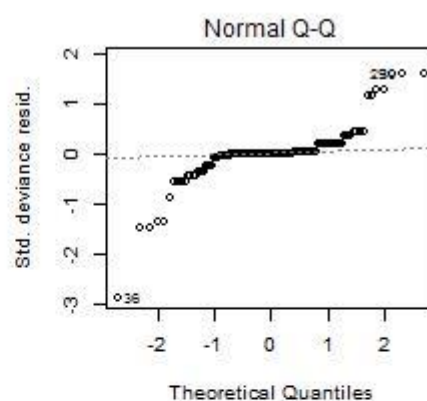
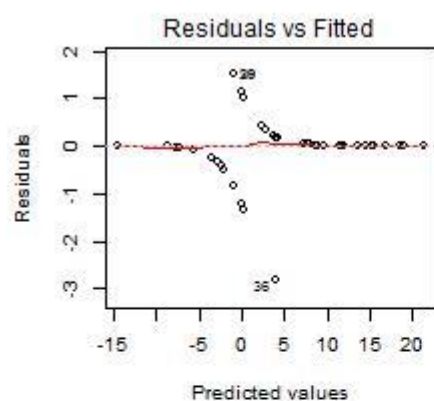


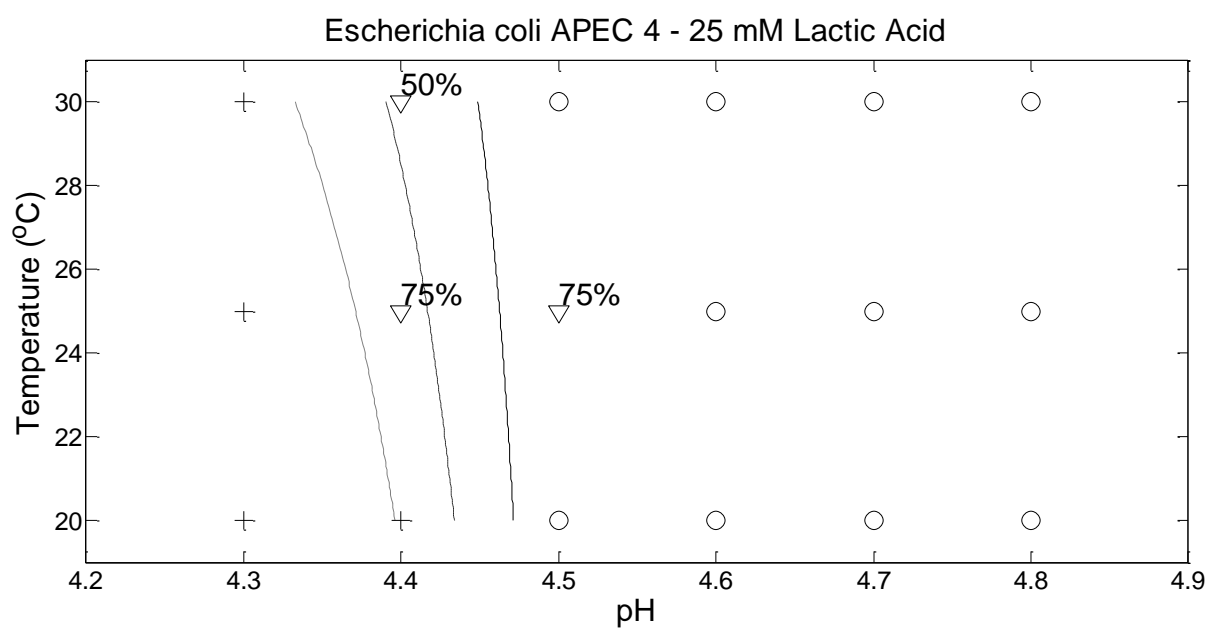
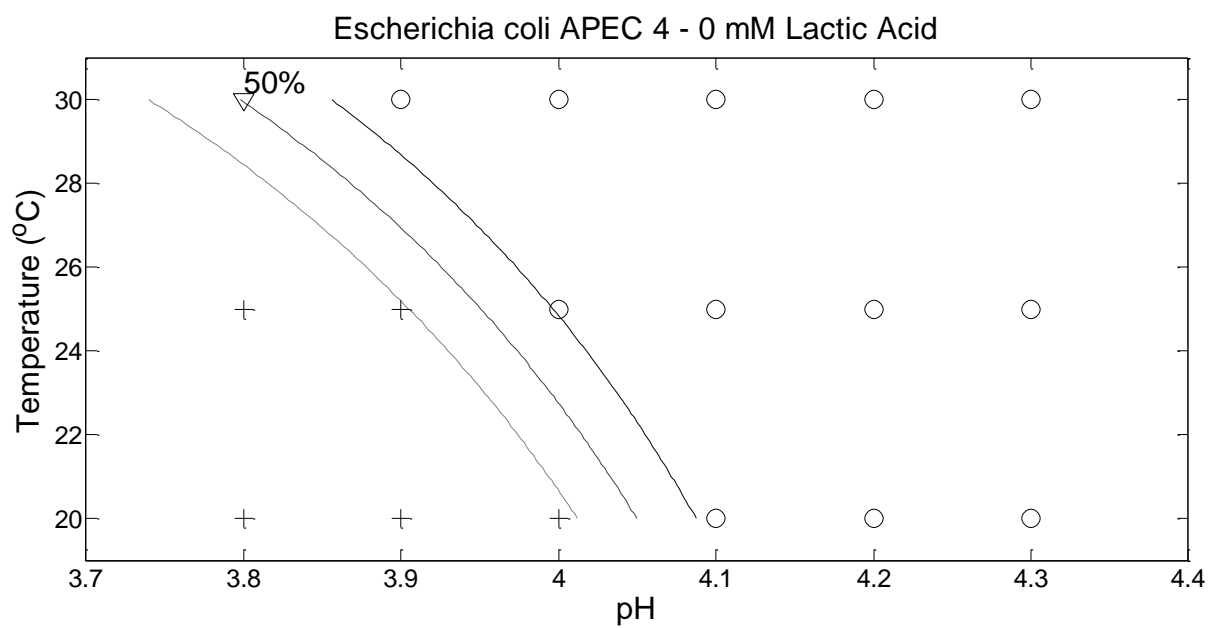
**120. *E.coli* APEC04 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-421.78	121.42	-3.47	0.00	-757.73	-238.15	0.00	0.00	0.00
pH	99.45	28.77	3.46	0.00	55.96	178.85	1.55E+43	2.01E+24	4.71E+77
LA	-0.90	0.23	-3.97	0.00	-1.50	-0.55	0.41	0.22	0.58
Temp	9.28	3.19	2.91	0.00	4.32	17.99	1.07E+04	74.90	6.49E+07
pH:Temp	-2.06	0.73	-2.80	0.01	-4.05	-0.91	0.13	0.02	0.40

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	173.85	
pH	1	28.78	142	145.06	0.00
LA	1	73.67	141	71.39	0.00
Temp	1	23.41	140	47.98	0.00
pH:Temp	1	16.77	139	31.21	0.00

<b>AIC</b>	41.21
<b>Likelihood Ratio</b>	7.67E-30
<b>Log-Likelihood</b>	-15.60



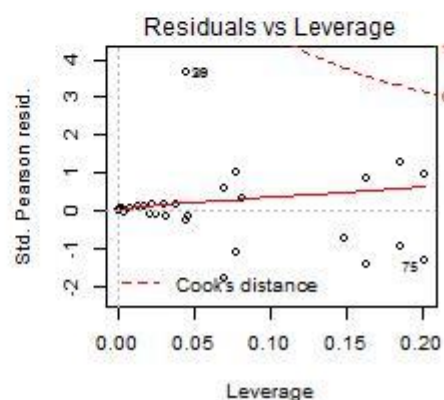
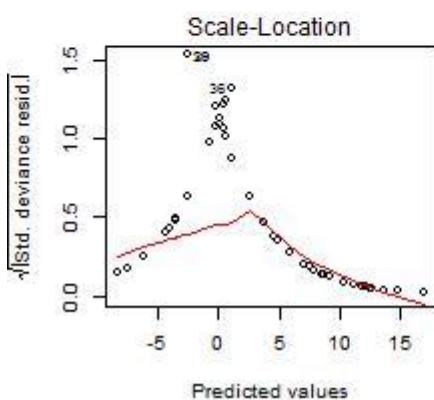
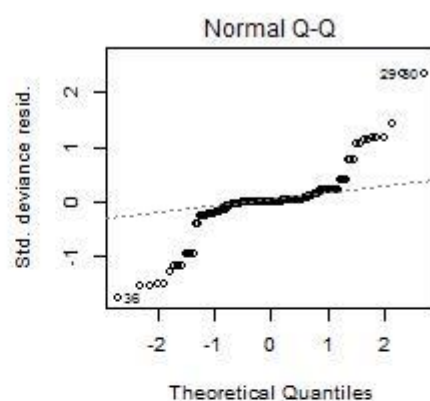
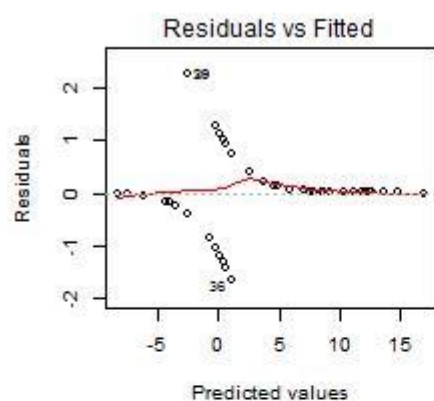


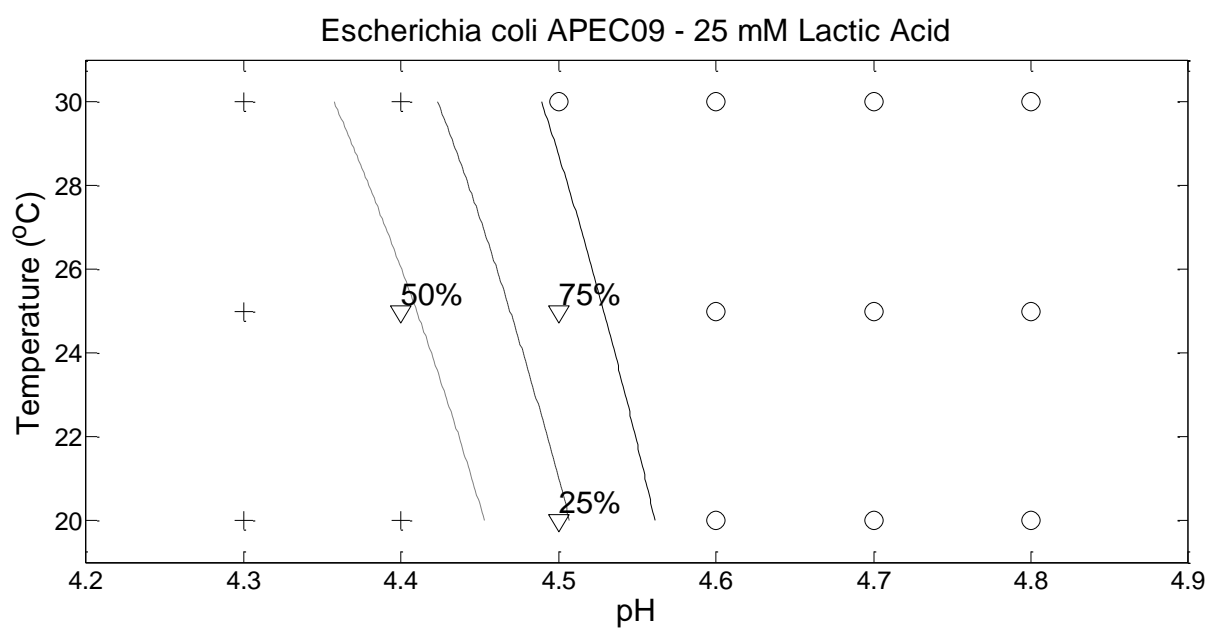
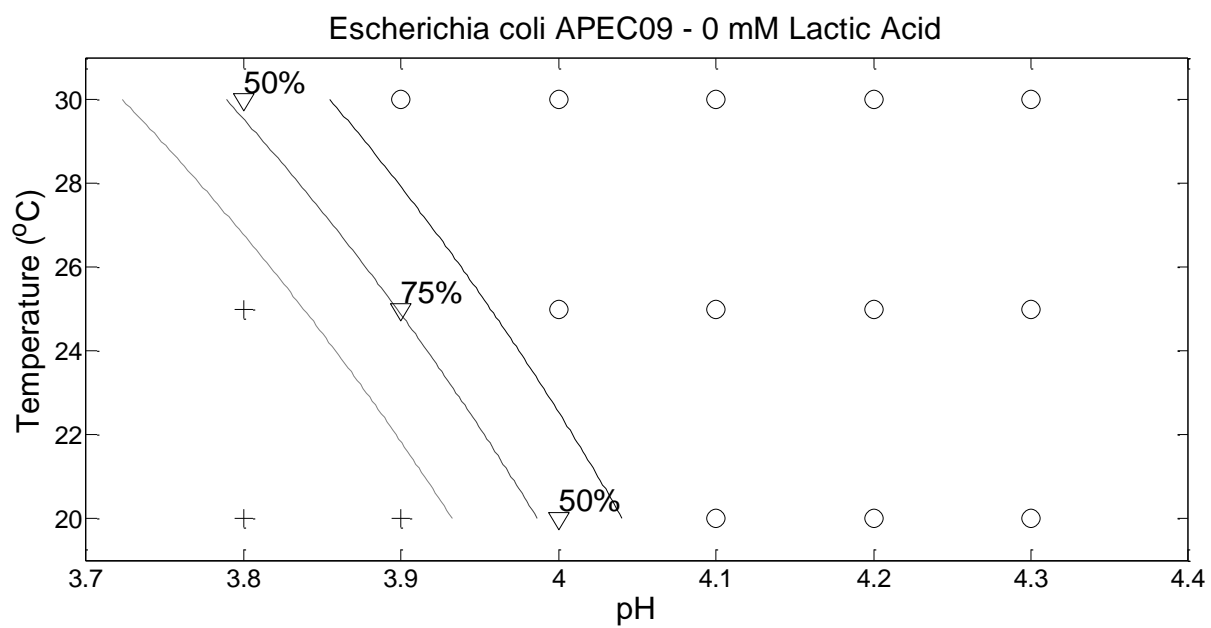
**121. *E.coli* APEC09 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-233.24	65.52	-3.56	0.00	-395.46	-128.08	0.00	0.00	0.00
pH	55.20	15.52	3.56	0.00	30.27	93.61	9.43E+23	1.40E+13	4.51E+40
LA	-0.85	0.21	-4.09	0.00	-1.38	-0.53	0.43	0.25	0.59
Temp	3.57	1.61	2.22	0.03	0.68	7.11	35.34	1.98	1229.76
pH:Temp	-0.73	0.37	-1.98	0.05	-1.53	-0.06	0.48	0.22	0.94

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	175.59	
pH	1	12.60	142	162.99	0.00
LA	1	95.52	141	67.47	0.00
Temp	1	20.55	140	46.92	0.00
pH:Temp	1	4.56	139	42.35	0.03

<b>AIC</b>	52.35
<b>Likelihood Ratio</b>	7.91E-28
<b>Log-Likelihood</b>	-21.18





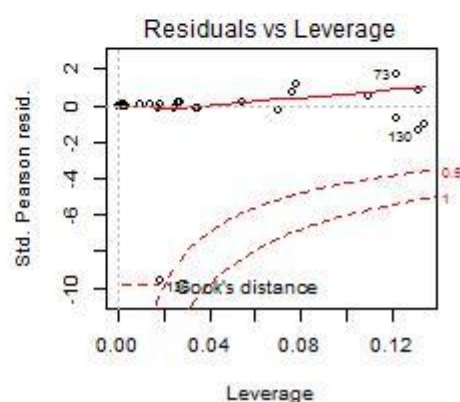
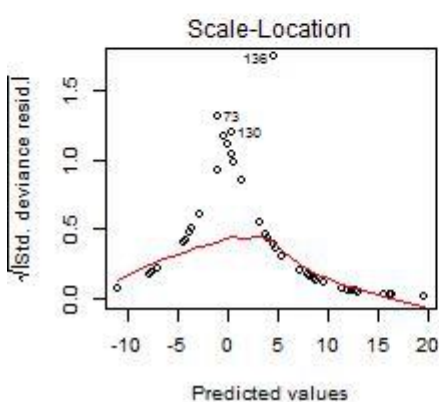
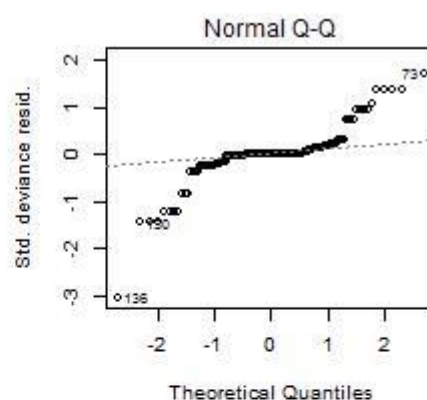
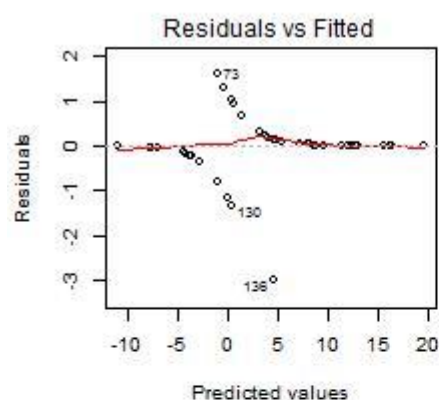


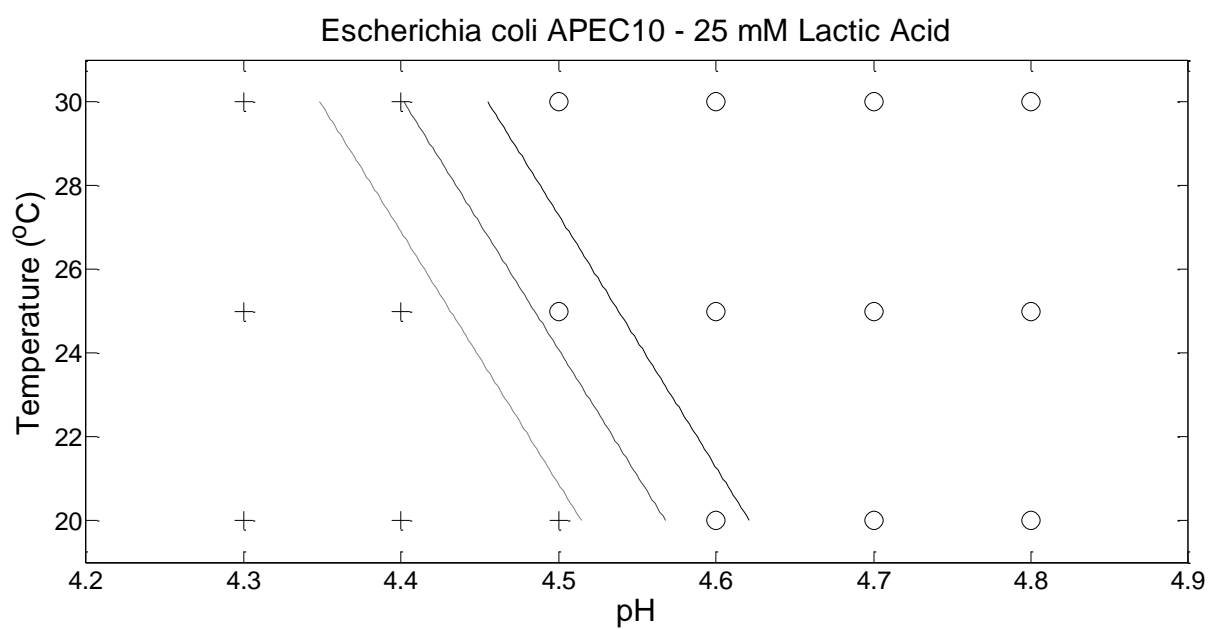
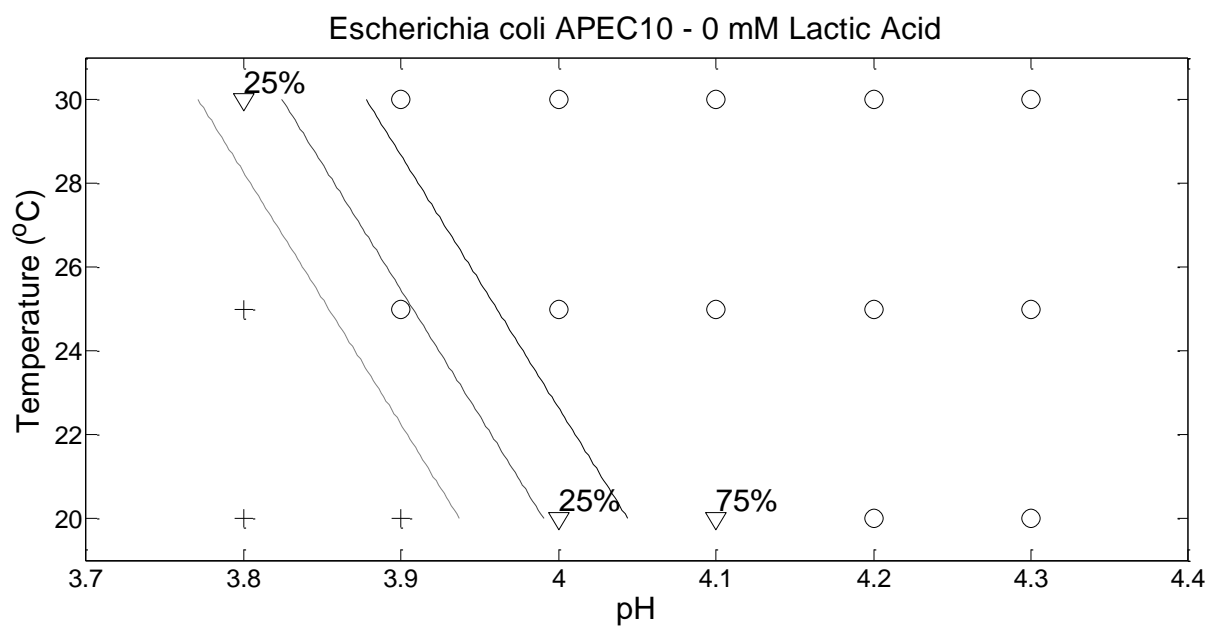
122. *E.coli* APEC10 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-178.08	45.62	-3.90	0.00	-306.08	-110.05	0.00	0.00	0.00
pH	41.20	10.48	3.93	0.00	25.51	70.42	7.80E+17	1.20E+11	3.84E+30
LA	-0.95	0.25	-3.85	0.00	-1.65	-0.58	0.39	0.19	0.56
Temp	0.68	0.21	3.25	0.00	0.36	1.27	1.98	1.44	3.55

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	13.73	142	168.17	0.00
LA	1	98.34	141	69.83	0.00
Temp	1	30.38	140	39.45	0.00

<b>AIC</b>	47.45
<b>Likelihood Ratio</b>	1.12E-30
<b>Log-Likelihood</b>	-19.72



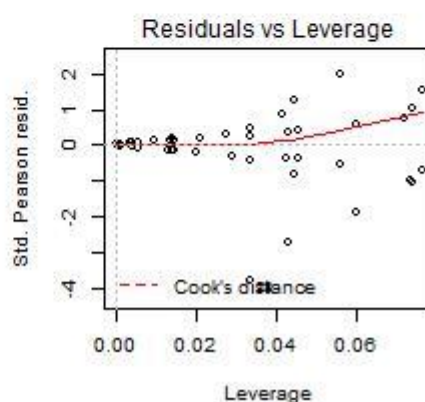
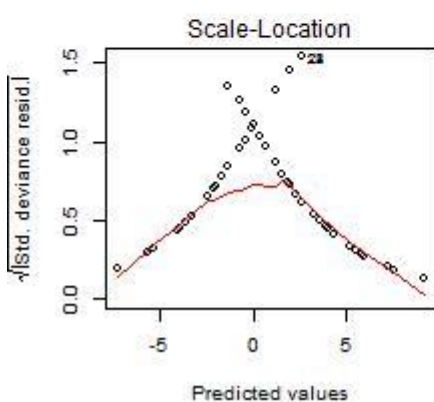
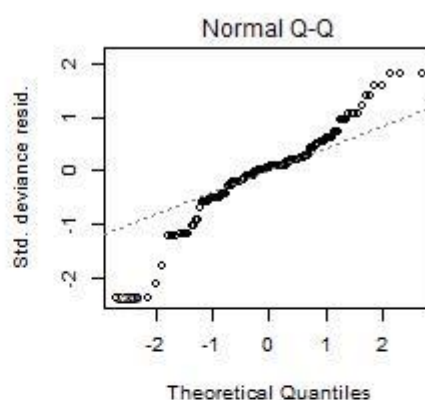
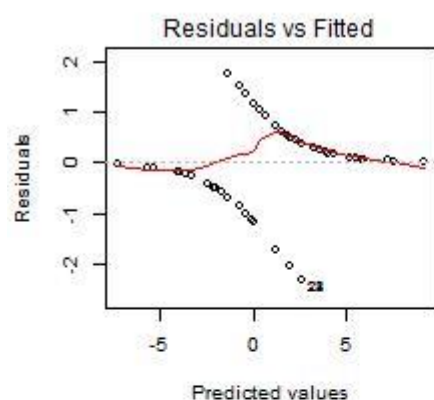


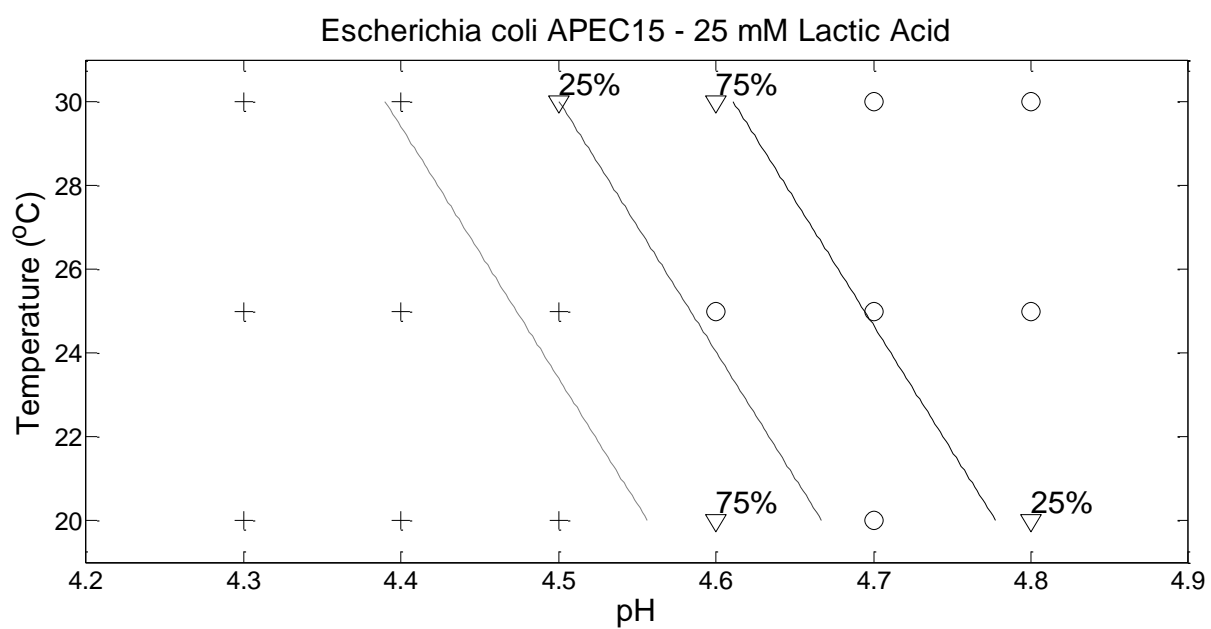
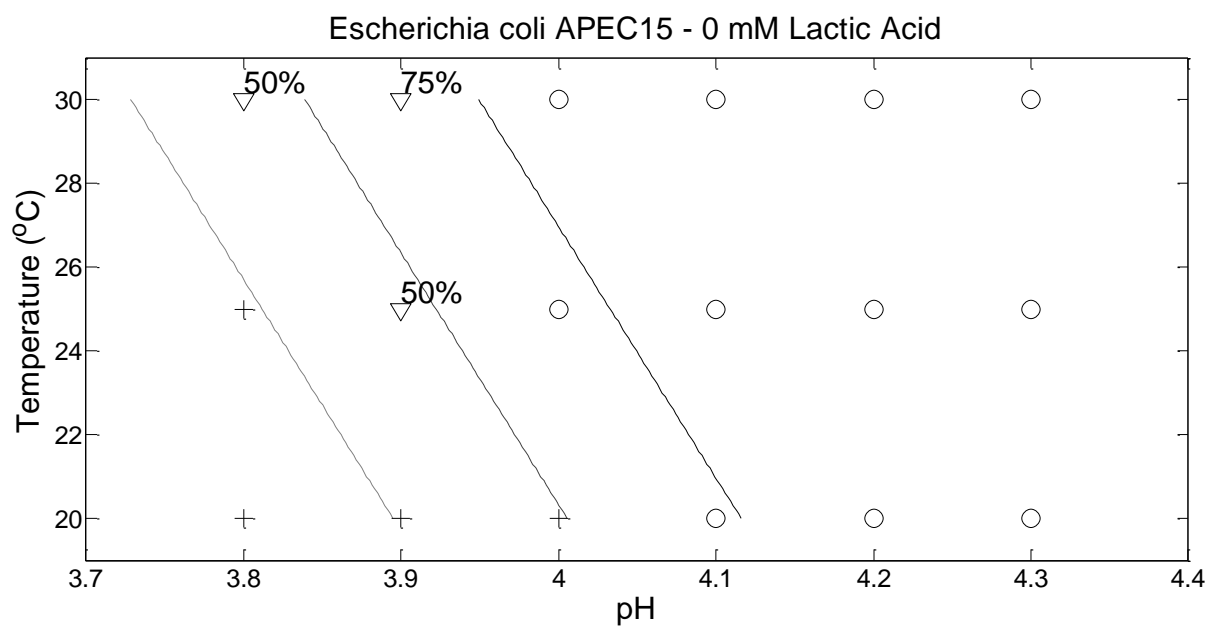
**123. *E.coli* APEC15 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-86.27	15.18	-5.68	0.00	-120.75	-60.44	0.00	0.00	0.00
pH	19.88	3.49	5.69	0.00	13.93	27.81	4.32E+08	1.12E+06	1.20E+12
LA	-0.53	0.09	-5.61	0.00	-0.74	-0.37	0.59	0.48	0.69
Temp	0.33	0.09	3.70	0.00	0.17	0.53	1.39	1.19	1.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.25	
pH	1	3.83	142	192.42	0.05
LA	1	97.93	141	94.49	0.00
Temp	1	19.10	140	75.39	0.00

<b>AIC</b>	83.39
<b>Likelihood Ratio</b>	5.03E-26
<b>Log-Likelihood</b>	-37.69



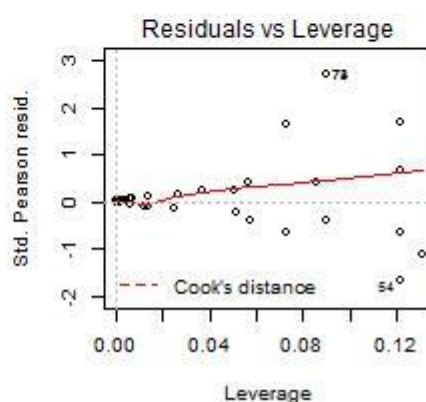
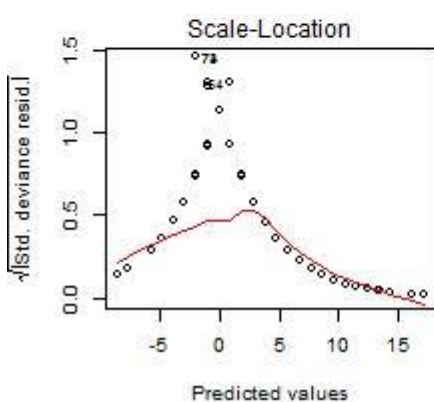
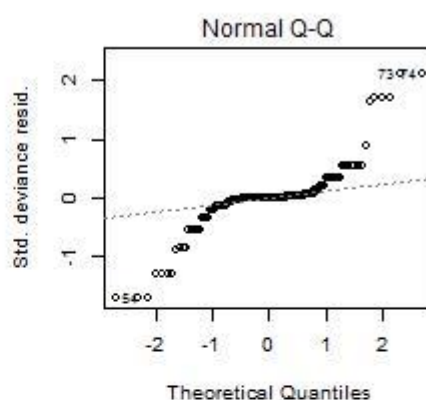
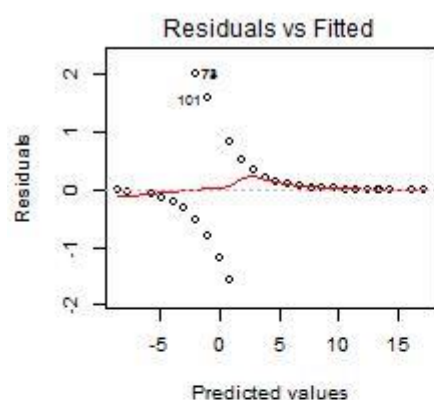


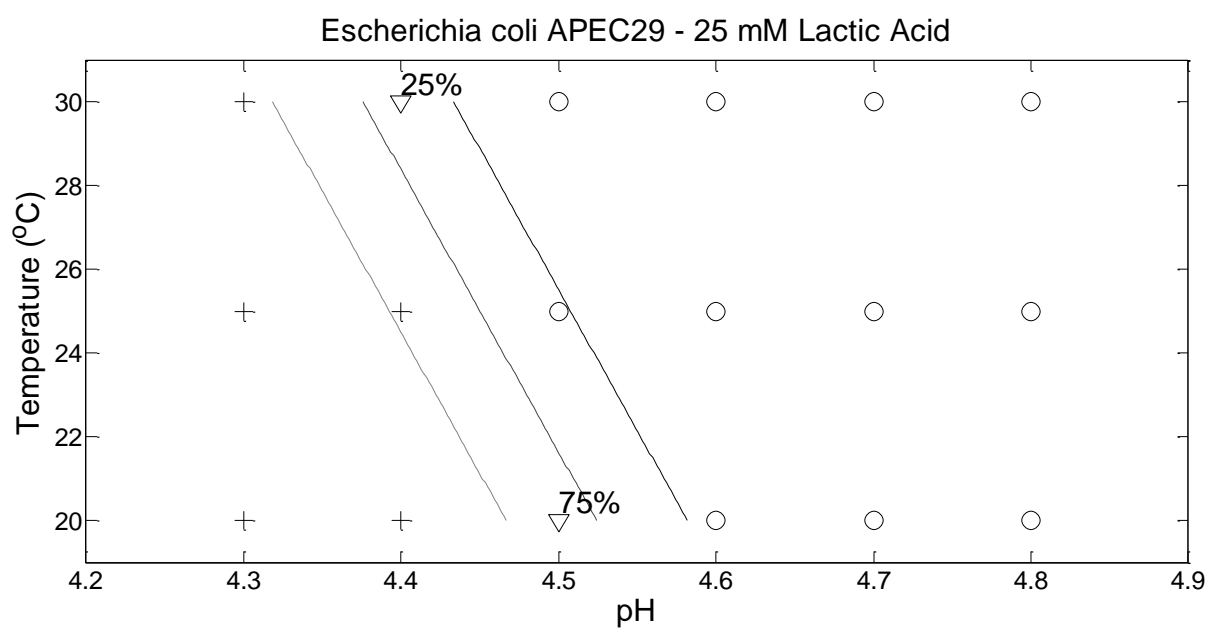
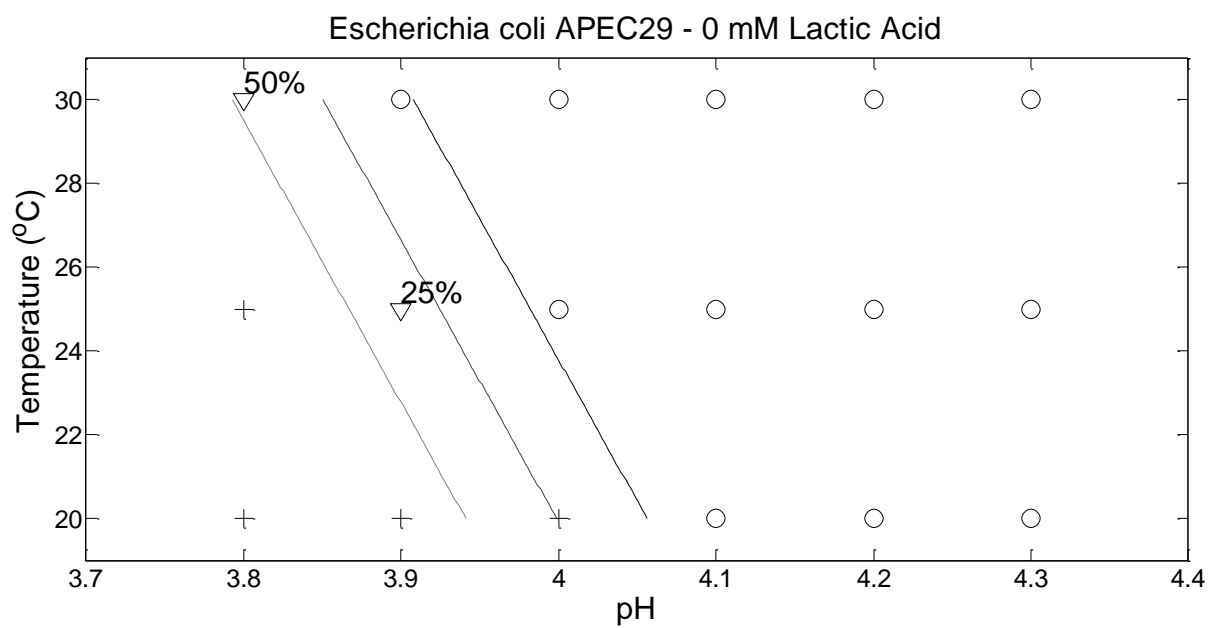
**124. *E.coli* APEC29 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-163.92	36.16	-4.53	0.00	-250.58	-105.75	0.00	0.00	0.00
pH	38.16	8.44	4.52	0.00	24.61	58.48	3.75E+16	4.87E+10	2.49E+25
LA	-0.80	0.18	-4.43	0.00	-1.24	-0.51	0.45	0.29	0.60
Temp	0.57	0.15	3.69	0.00	0.31	0.92	1.76	1.36	2.50

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	178.87	
pH	1	22.22	142	156.66	0.00
LA	1	89.78	141	66.87	0.00
Temp	1	26.10	140	40.77	0.00

<b>AIC</b>	48.77
<b>Likelihood Ratio</b>	9.7E-30
<b>Log-Likelihood</b>	-20.39



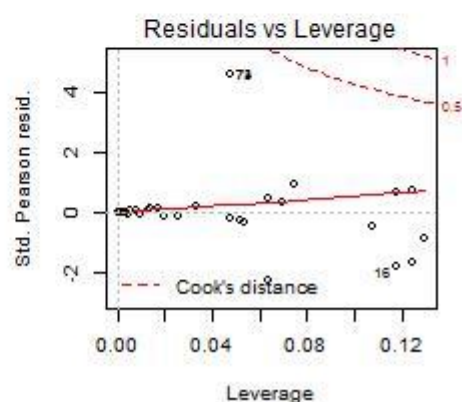
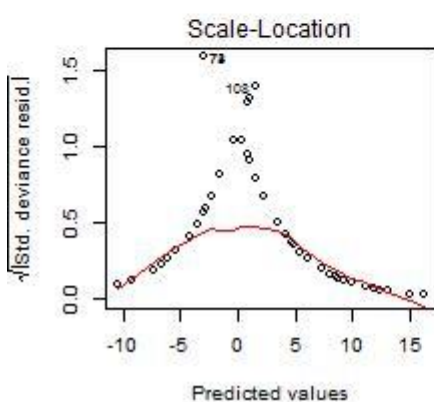
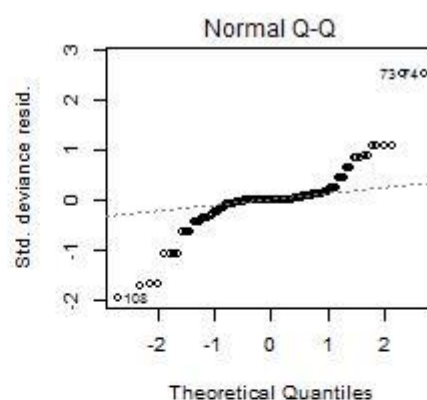
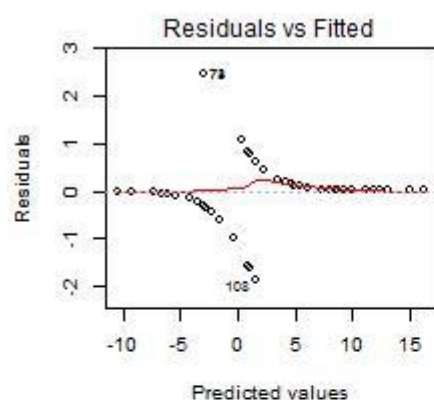


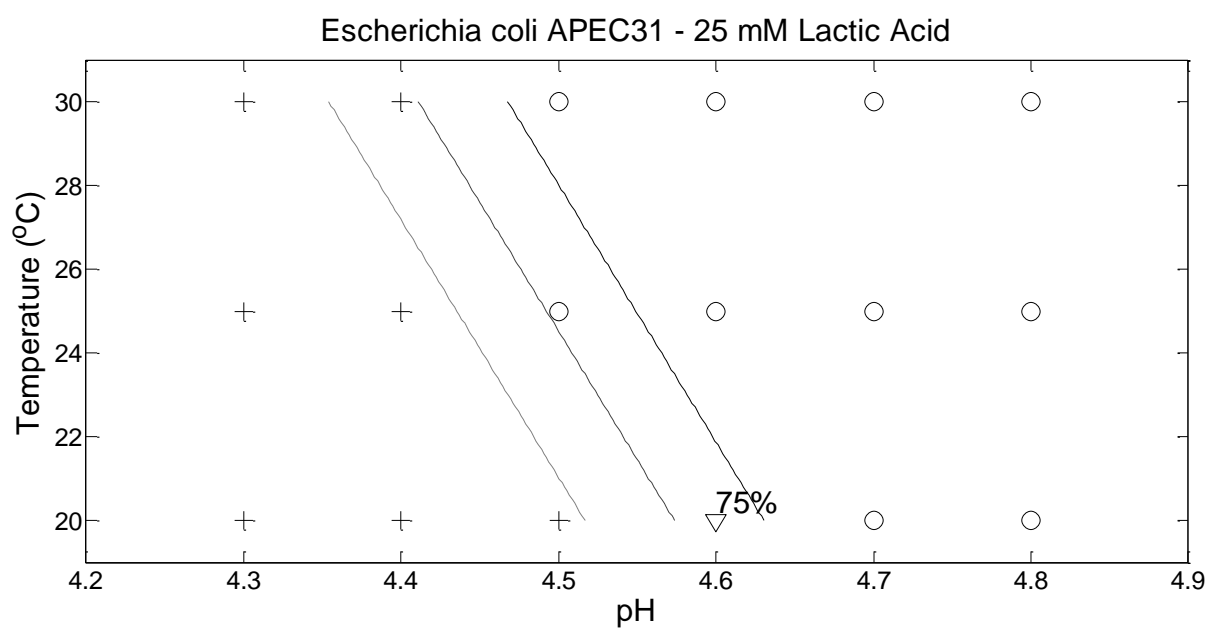
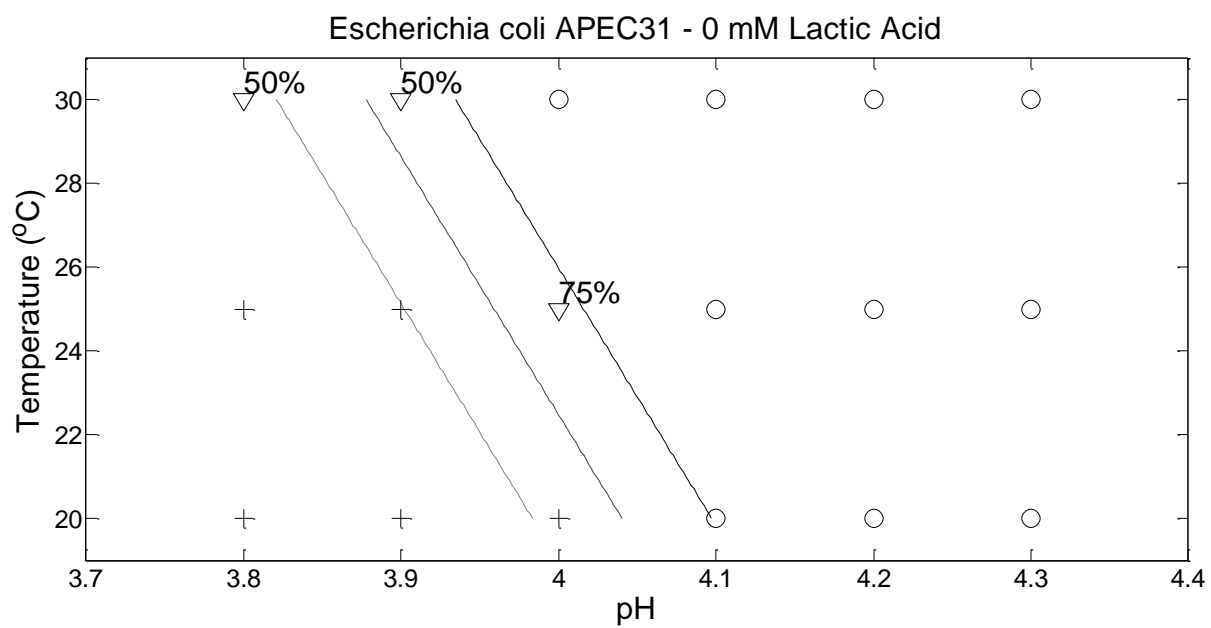
125. *E.coli* APEC31 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-168.72	37.84	-4.46	0.00	-261.36	-108.77	0.00	0.00	0.00
pH	38.65	8.64	4.47	0.00	24.95	59.75	6.10E+16	6.83E+10	8.88E+25
LA	-0.82	0.19	-4.41	0.00	-1.28	-0.53	0.44	0.28	0.59
Temp	0.63	0.17	3.66	0.00	0.35	1.04	1.87	1.41	2.83

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	190.53	
pH	1	23.02	142	167.51	0.00
LA	1	96.93	141	70.58	0.00
Temp	1	29.80	140	40.79	0.00

<b>AIC</b>	48.79
<b>Likelihood Ratio</b>	2.99E-32
<b>Log-Likelihood</b>	-20.39





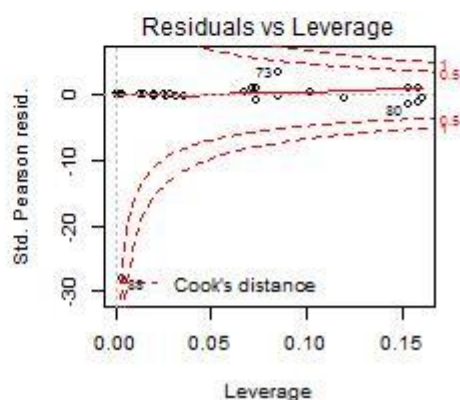
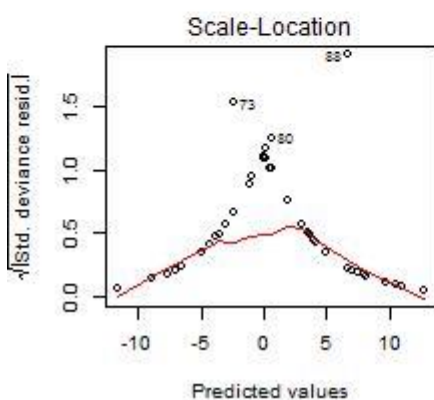
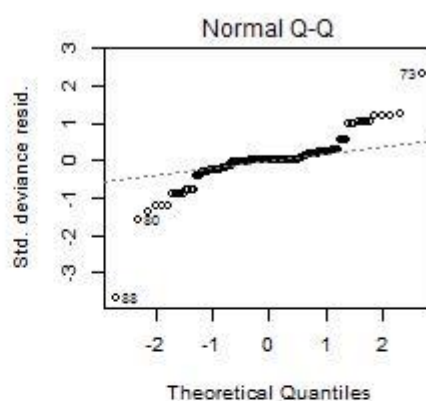
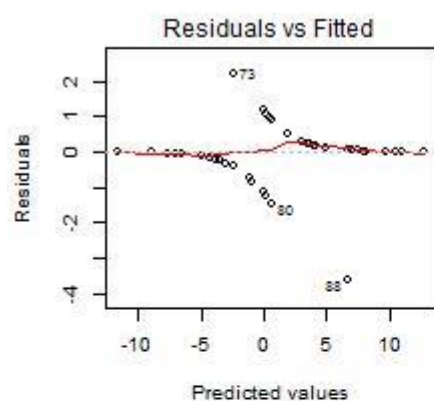


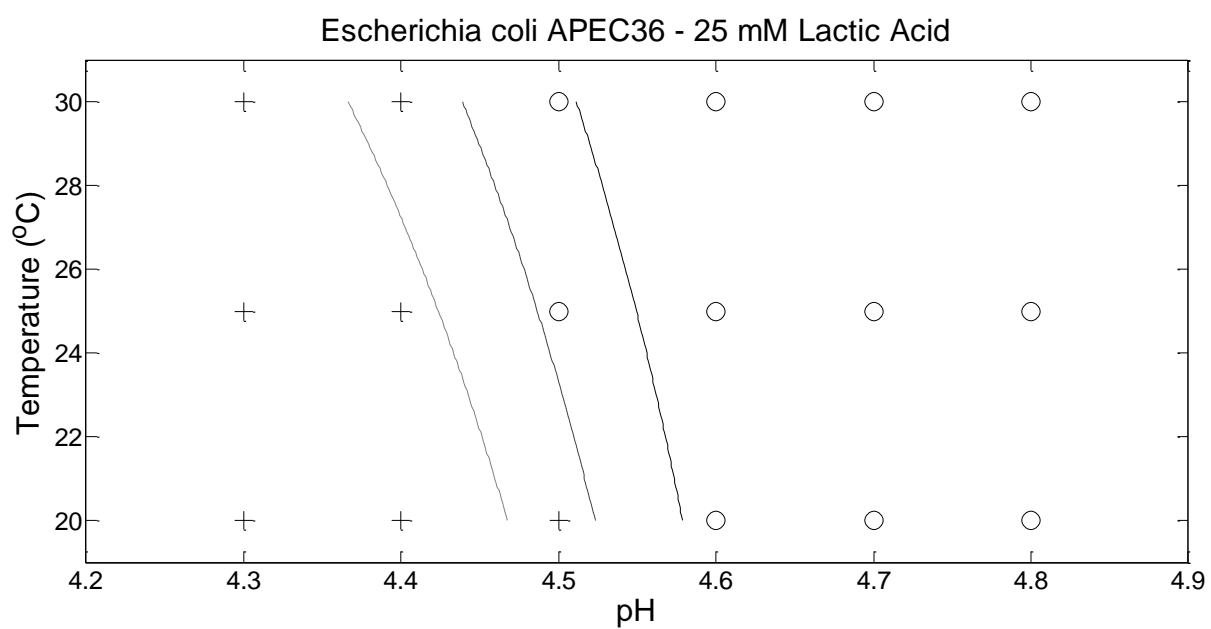
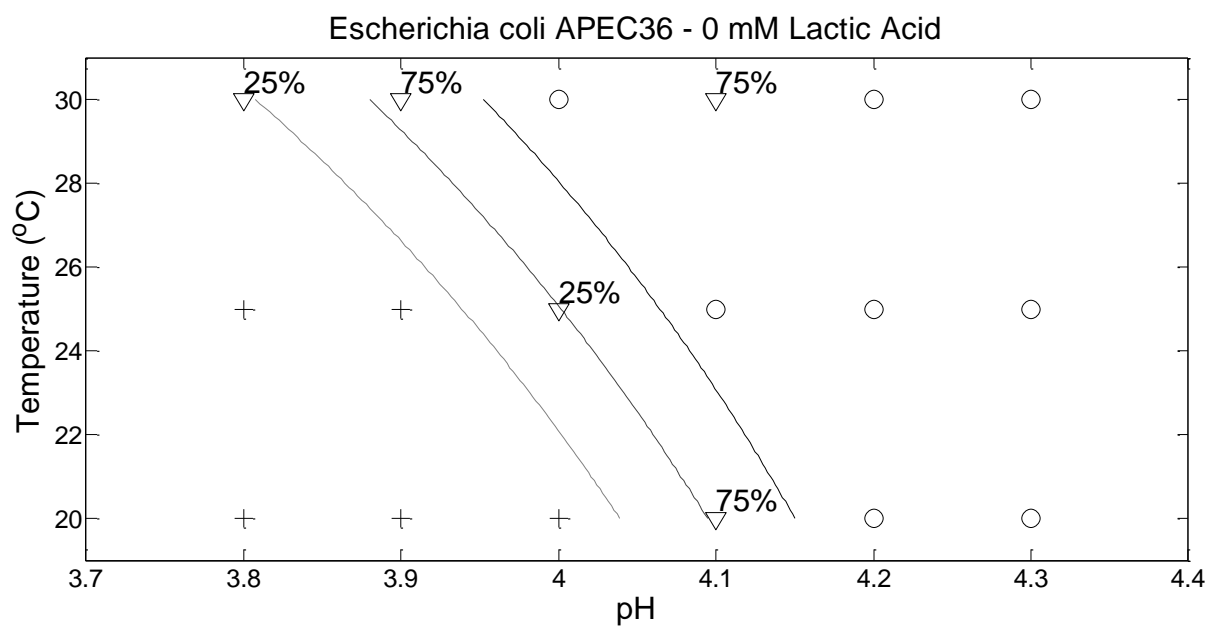
126. *E.coli* APEC36 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-250.38	69.92	-3.58	0.00	-419.17	-136.62	0.00	0.00	0.00
pH	57.97	16.30	3.56	0.00	31.46	97.34	1.50E+25	4.58E+13	1.88E+42
LA	-0.68	0.15	-4.46	0.00	-1.05	-0.44	0.51	0.35	0.65
Temp	4.42	1.89	2.35	0.02	1.11	8.69	83.35	3.03	5942.00
pH:Temp	-0.92	0.43	-2.14	0.03	-1.89	-0.16	0.40	0.15	0.86

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	193.33	
pH	1	31.56	142	161.77	0.00
LA	1	87.39	141	74.38	0.00
Temp	1	22.38	140	52.00	0.00
pH:Temp	1	5.73	139	46.27	0.02

<b>AIC</b>	56.27
<b>Likelihood Ratio</b>	8.67E-31
<b>Log-Likelihood</b>	-23.13



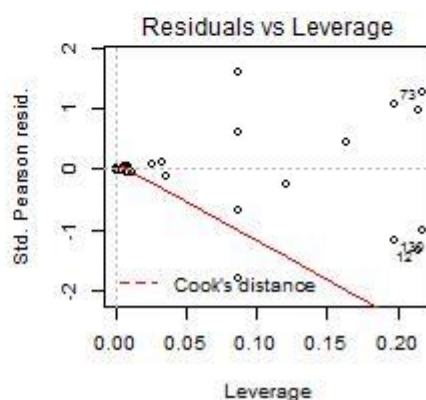
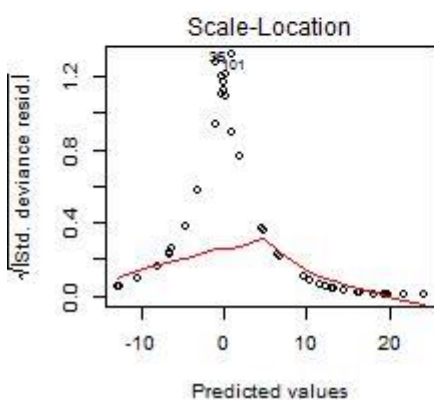
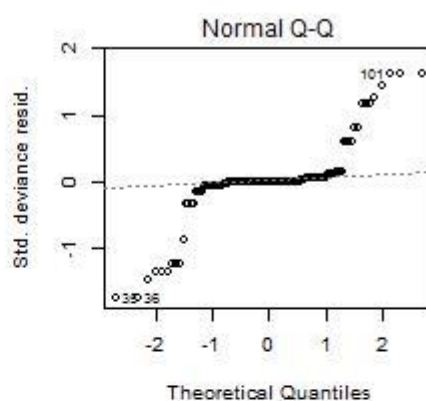
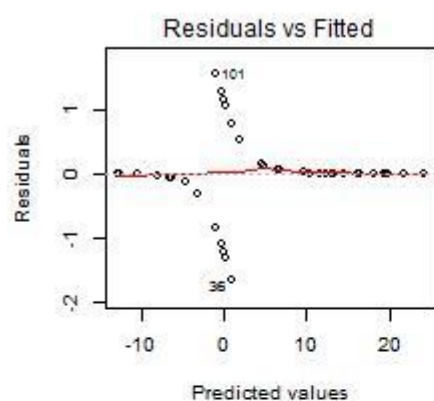


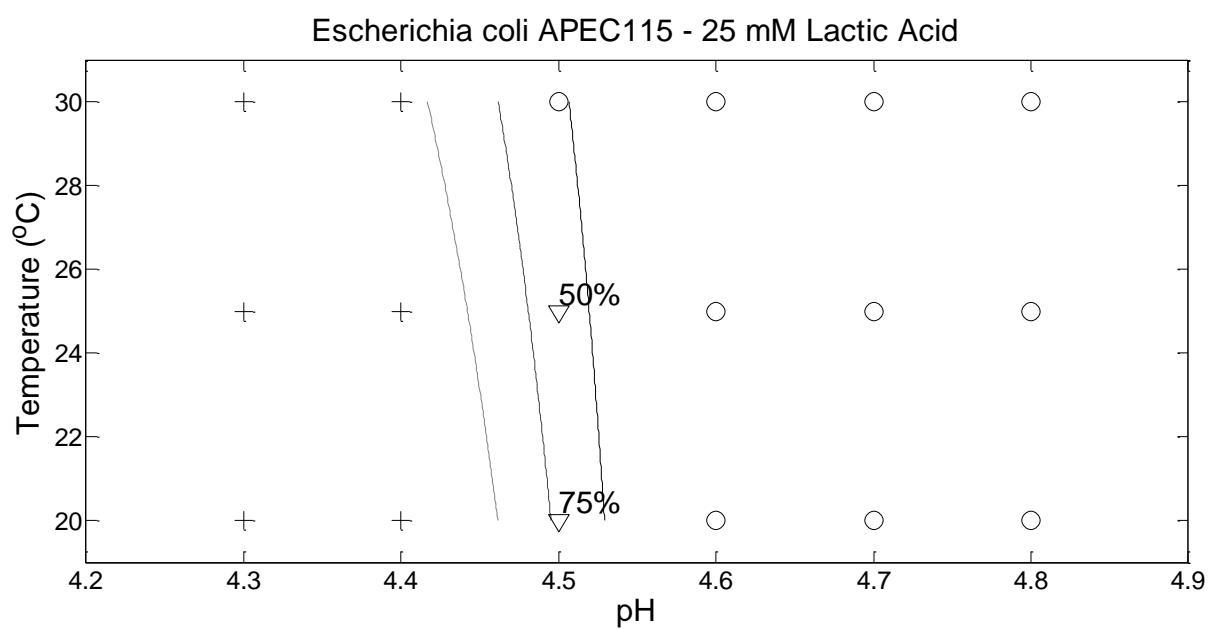
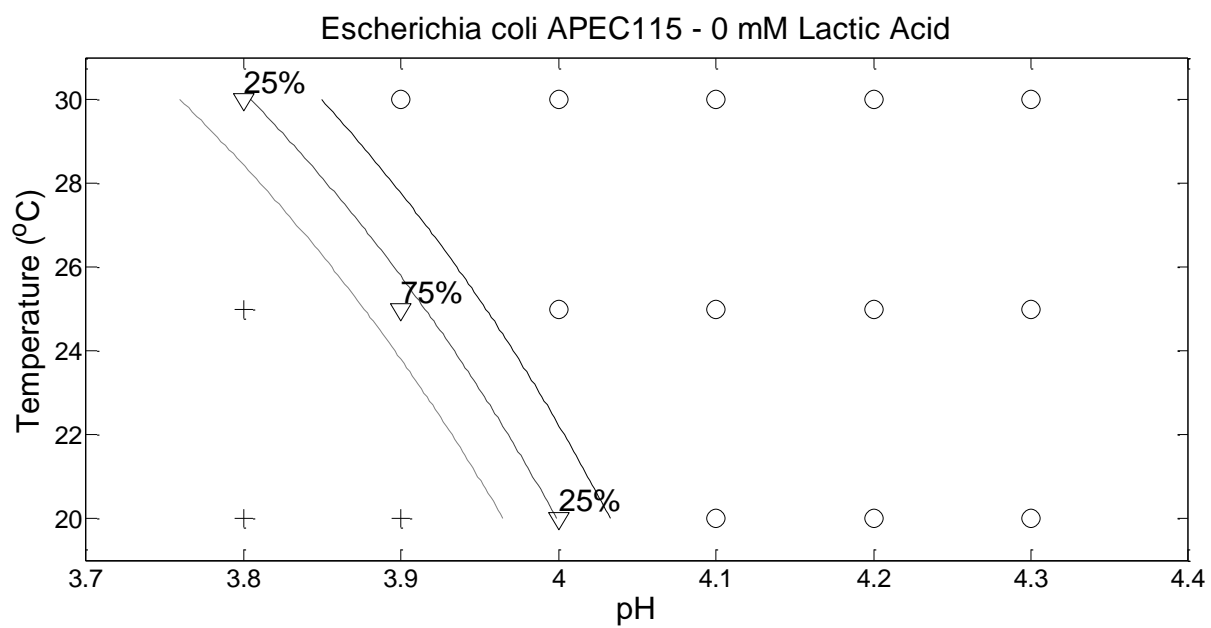
127. *E.coli* APEC115 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-404.63	148.63	-2.72	0.01	-900.98	-205.30	0.00	0.00	0.00
pH	96.44	35.46	2.72	0.01	48.95	215.11	7.62E+41	1.81E+21	2.63E+93
LA	-1.29	0.46	-2.80	0.01	-2.82	-0.69	0.28	0.06	0.50
Temp	7.28	3.05	2.39	0.02	2.78	17.06	1454.25	16.15	2.55E+07
pH:Temp	-1.58	0.68	-2.32	0.02	-3.76	-0.56	0.21	0.02	0.57

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	180.42	
pH	1	15.84	142	164.58	0.00
LA	1	105.34	141	59.24	0.00
Temp	1	15.33	140	43.91	0.00
pH:Temp	1	11.52	139	32.39	0.00

<b>AIC</b>	42.39
<b>Likelihood Ratio</b>	5.38E-31
<b>Log-Likelihood</b>	-16.19



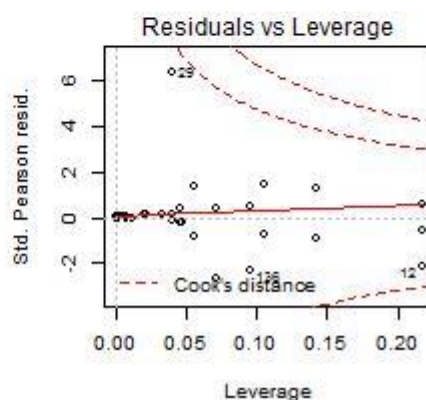
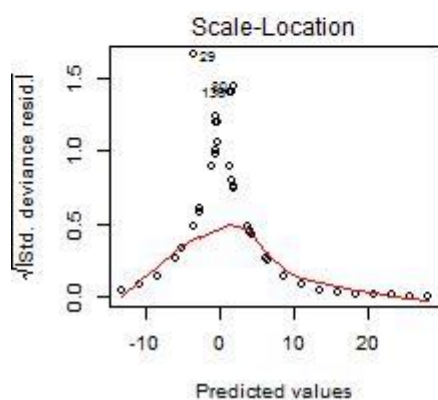
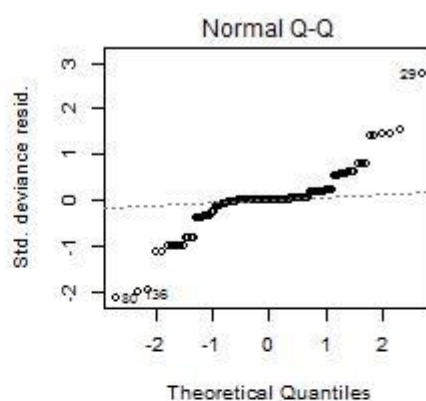
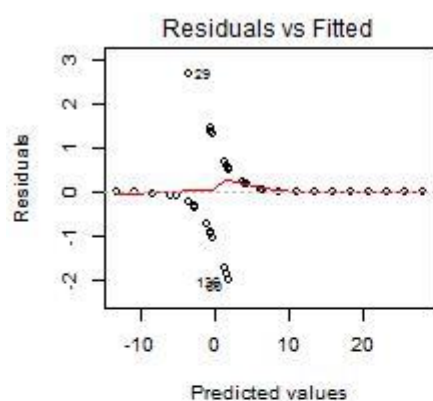


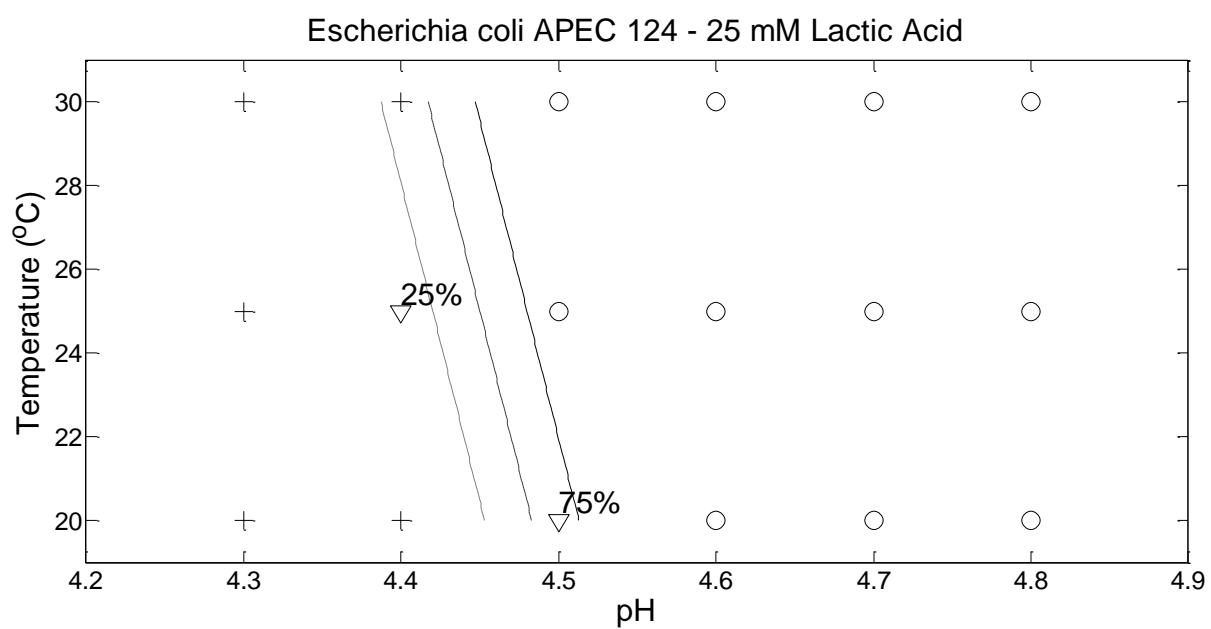
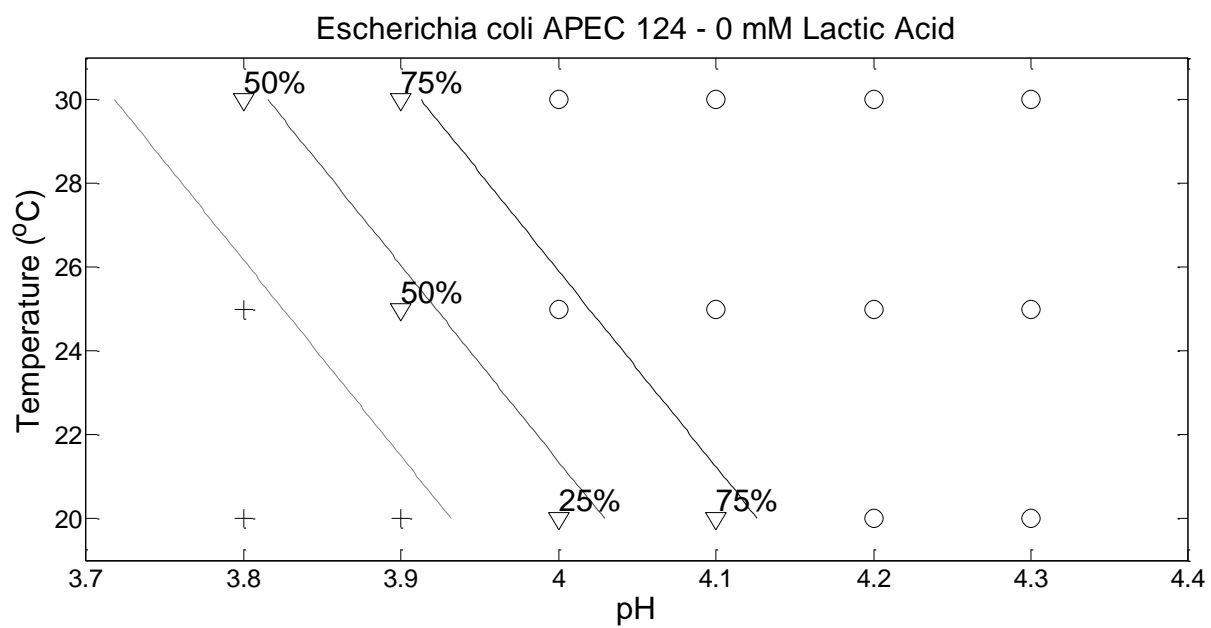
128. *E.coli* APEC124 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-100.66	26.26	-3.83	0.00	-164.71	-58.95	0.00	0.00	0.00
pH	22.59	5.97	3.78	0.00	13.07	37.12	6.46E+09	4.75E+05	1.32E+16
LA	-9.51	3.31	-2.87	0.00	-17.15	-3.95	0.00	0.00	0.02
Temp	0.48	0.15	3.21	0.00	0.23	0.84	1.62	1.26	2.32
pH:LA	2.03	0.74	2.75	0.01	0.78	3.73	7.61	2.19	41.80

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	178.87	
pH	1	21.61	142	157.27	0.00
LA	1	85.95	141	71.32	0.00
Temp	1	15.29	140	56.03	0.00
pH:LA	1	13.30	139	42.73	0.00

<b>AIC</b>	52.73
<b>Likelihood Ratio</b>	1.89E-28
<b>Log-Likelihood</b>	-21.36



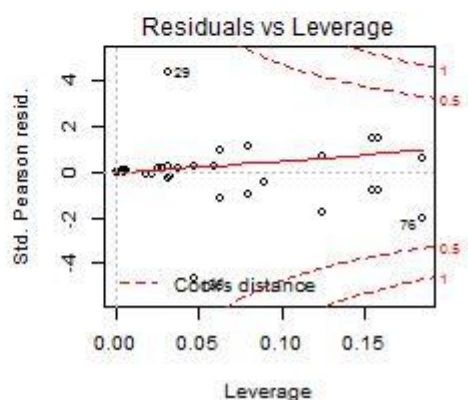
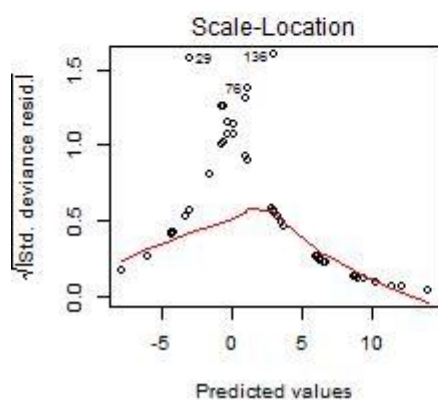
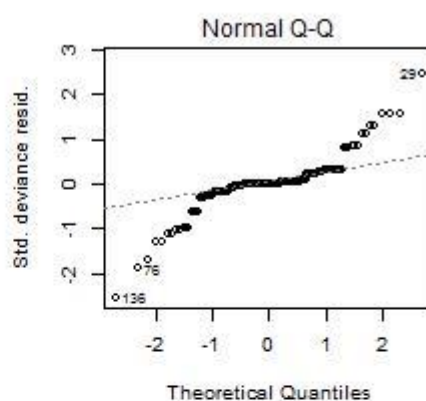
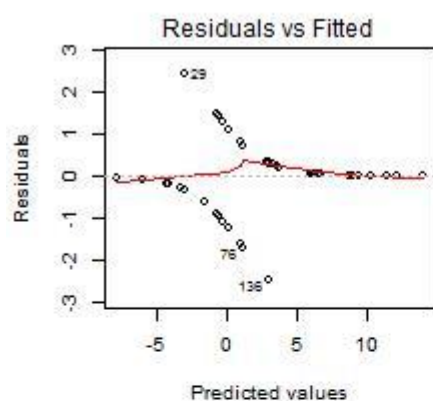


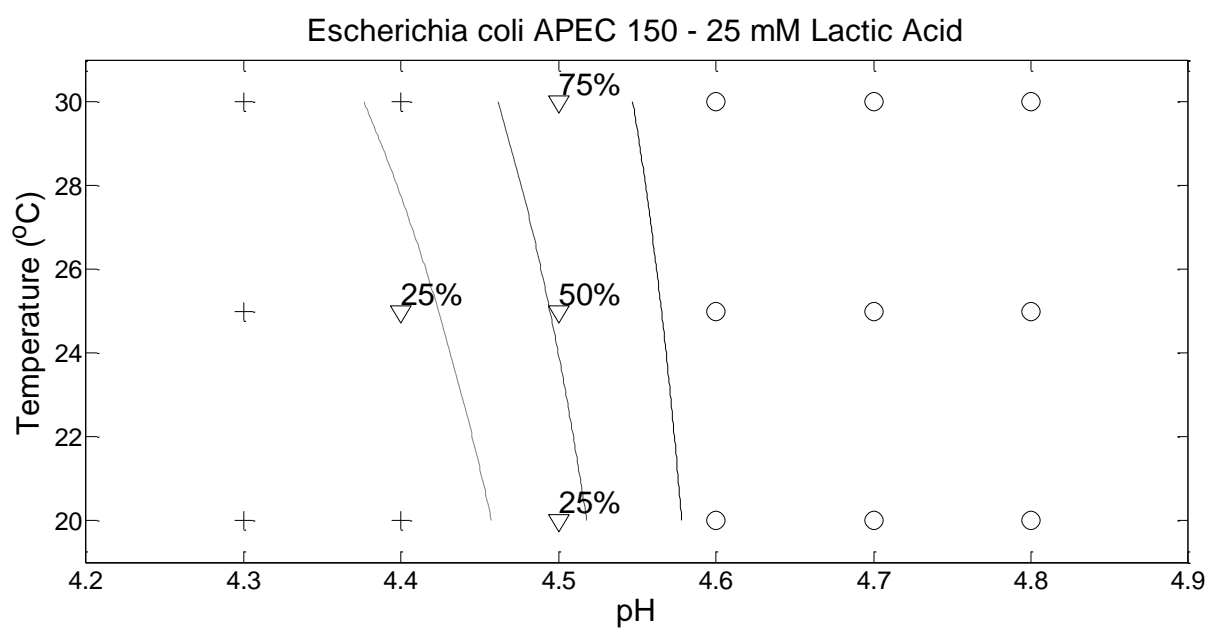
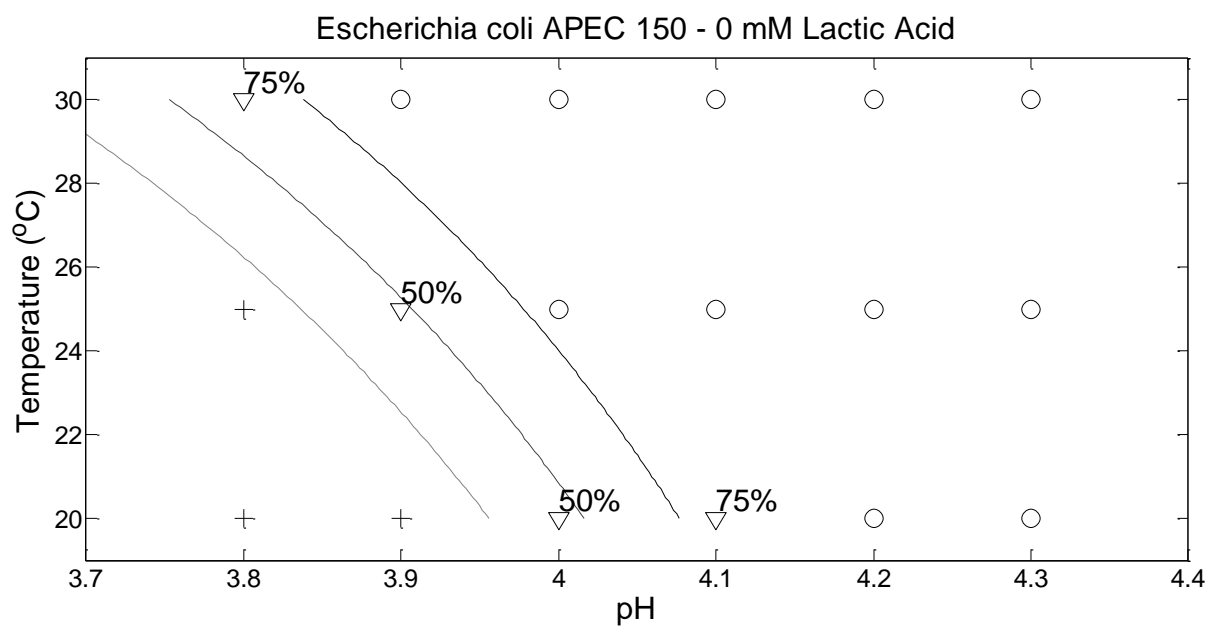
**129. *E.coli* APEC150 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-245.12	59.84	-4.10	0.00	-387.65	-146.09	0.00	0.00	0.00
pH	57.65	14.14	4.08	0.00	34.29	91.42	1.09E+25	7.78E+14	5.03E+39
LA	-0.73	0.16	-4.49	0.00	-1.14	-0.47	0.48	0.32	0.62
Temp	4.95	1.63	3.04	0.00	2.10	8.63	141.75	8.13	5621.94
pH:Temp	-1.06	0.37	-2.85	0.00	-1.90	-0.40	0.34	0.15	0.67

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	10.32	142	171.58	0.00
LA	1	92.95	141	78.63	0.00
Temp	1	20.33	140	58.30	0.00
pH:Temp	1	11.05	139	47.25	0.00

<b>AIC</b>	57.25
<b>Likelihood Ratio</b>	3.94E-28
<b>Log-Likelihood</b>	-23.62





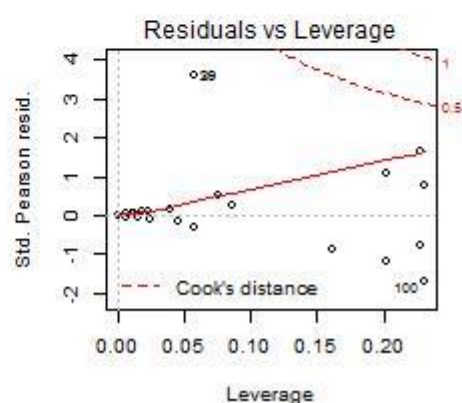
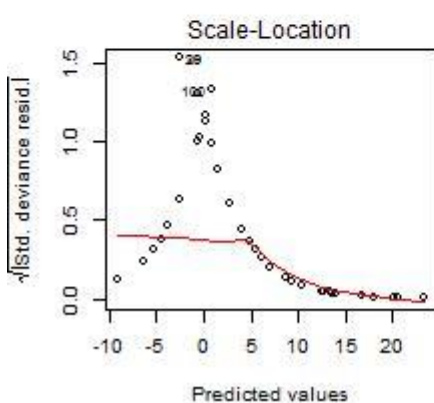
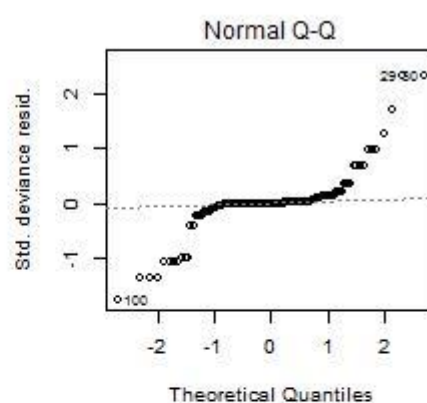
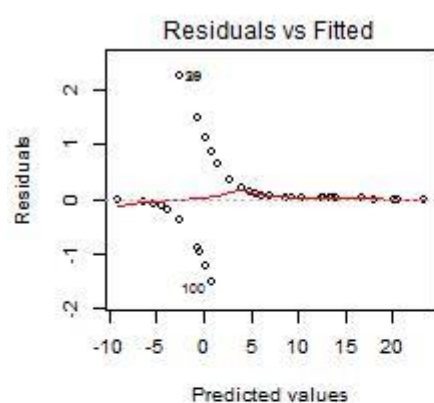


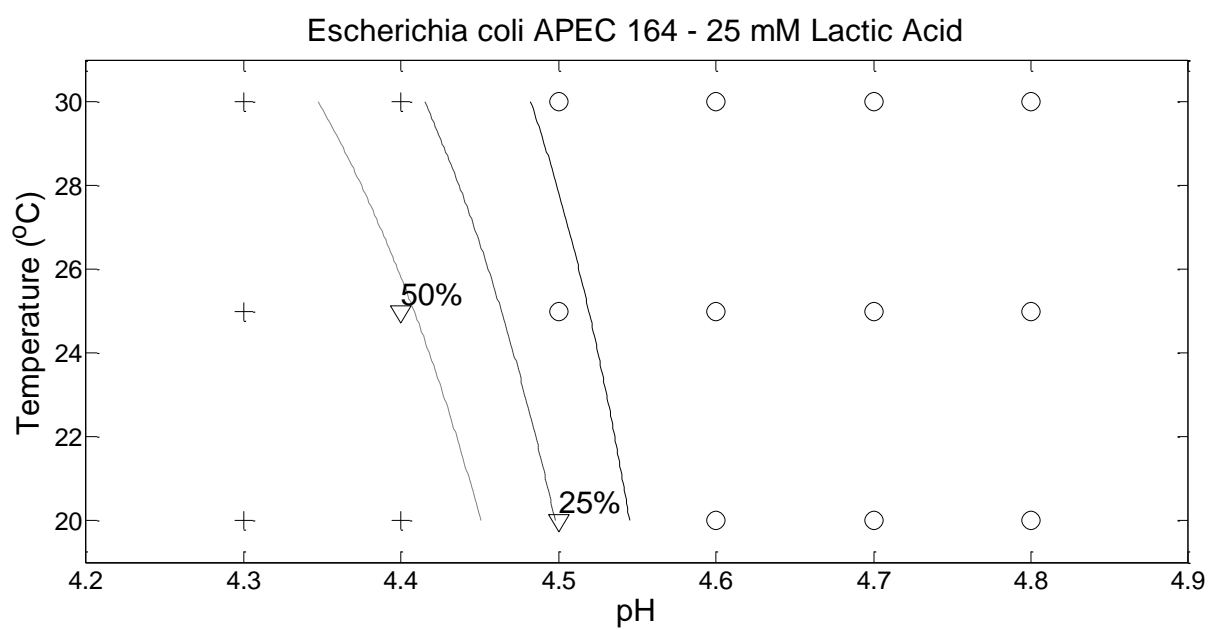
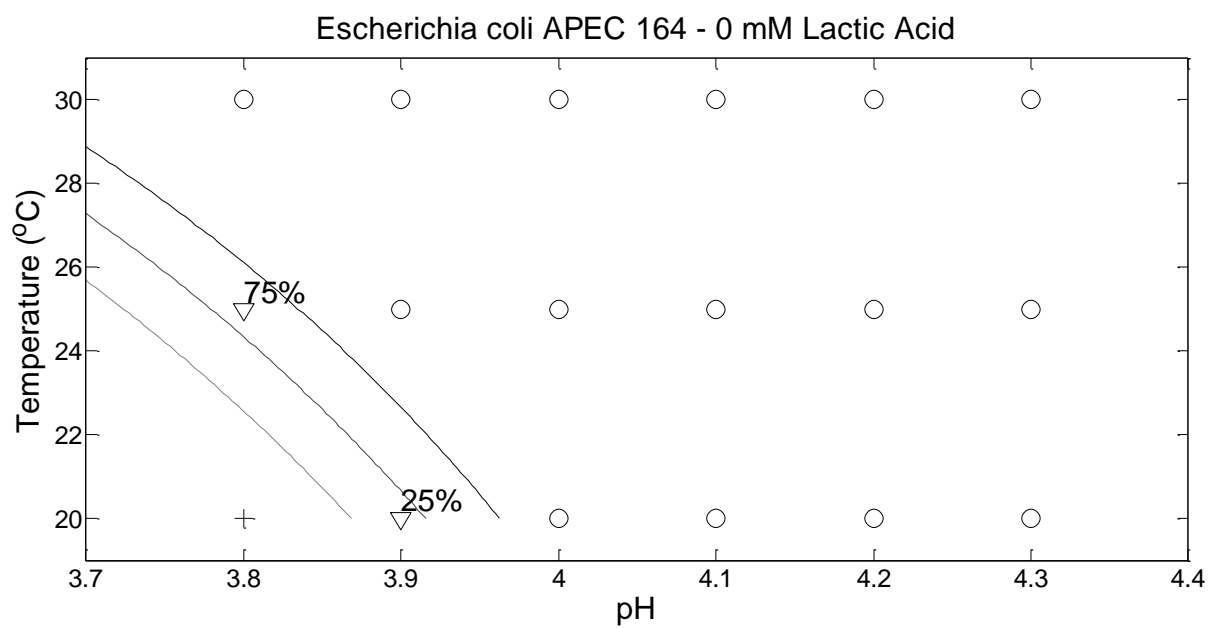
**130. *E.coli* APEC164 (Prof. B. Goddeeris (KU Leuven, Belgium))**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-312.67	96.91	-3.23	0.00	-546.46	-159.78	0.00	0.00	0.00
pH	74.34	22.90	3.25	0.00	38.23	129.79	1.93E+32	4.02E+16	2.33E+56
LA	-1.08	0.31	-3.53	0.00	-1.92	-0.64	0.34	0.15	0.53
Temp	6.52	2.78	2.35	0.02	1.84	12.78	680.38	6.31	3.56E+05
pH:Temp	-1.39	0.62	-2.23	0.03	-2.79	-0.33	0.25	0.06	0.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	155.02	
pH	1	1.90	142	153.12	0.17
LA	1	94.18	141	58.94	0.00
Temp	1	19.28	140	39.66	0.00
pH:Temp	1	7.34	139	32.32	0.01

<b>AIC</b>	42.32
<b>Likelihood Ratio</b>	1.41E-25
<b>Log-Likelihood</b>	-16.16



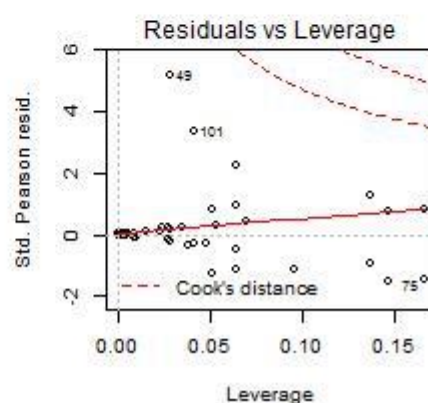
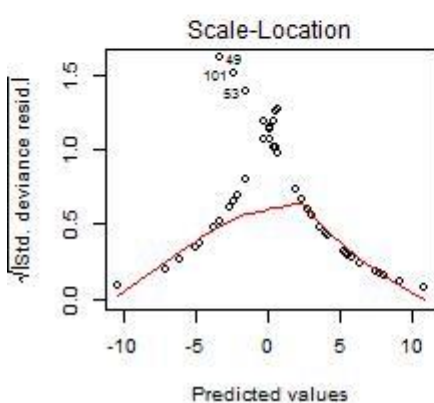
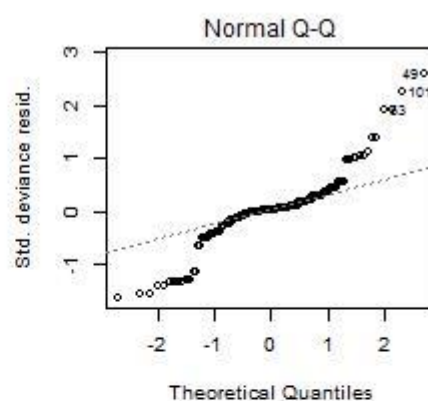
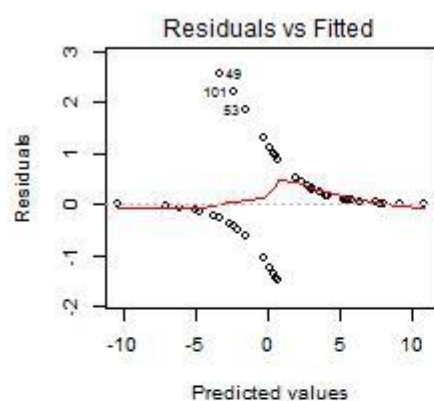


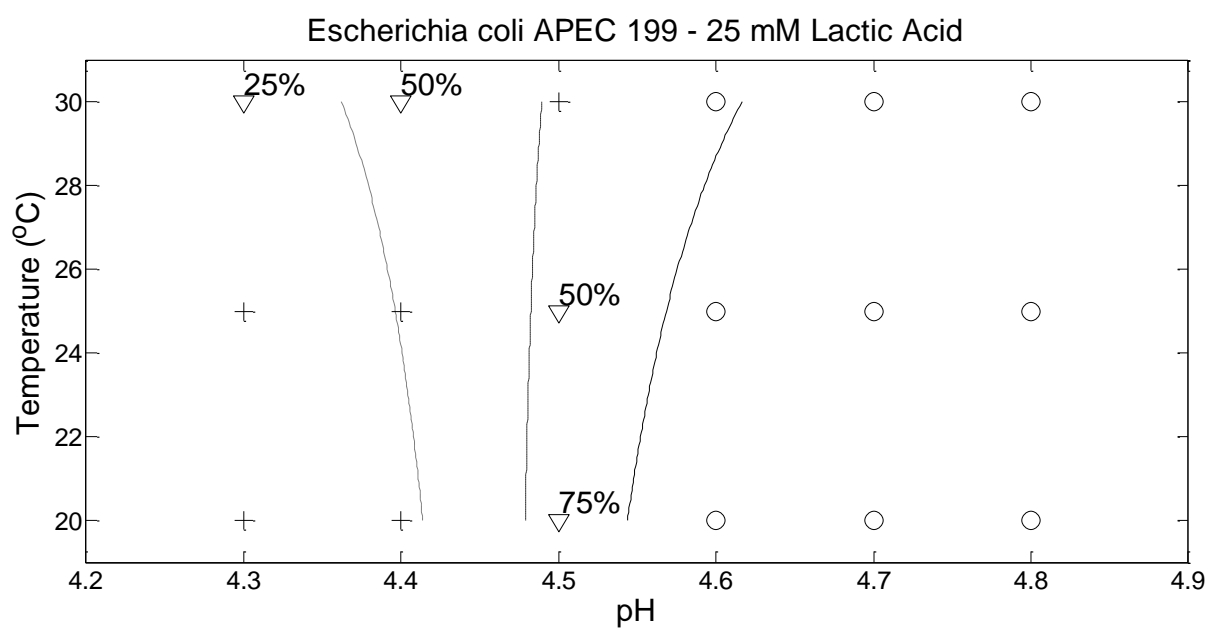
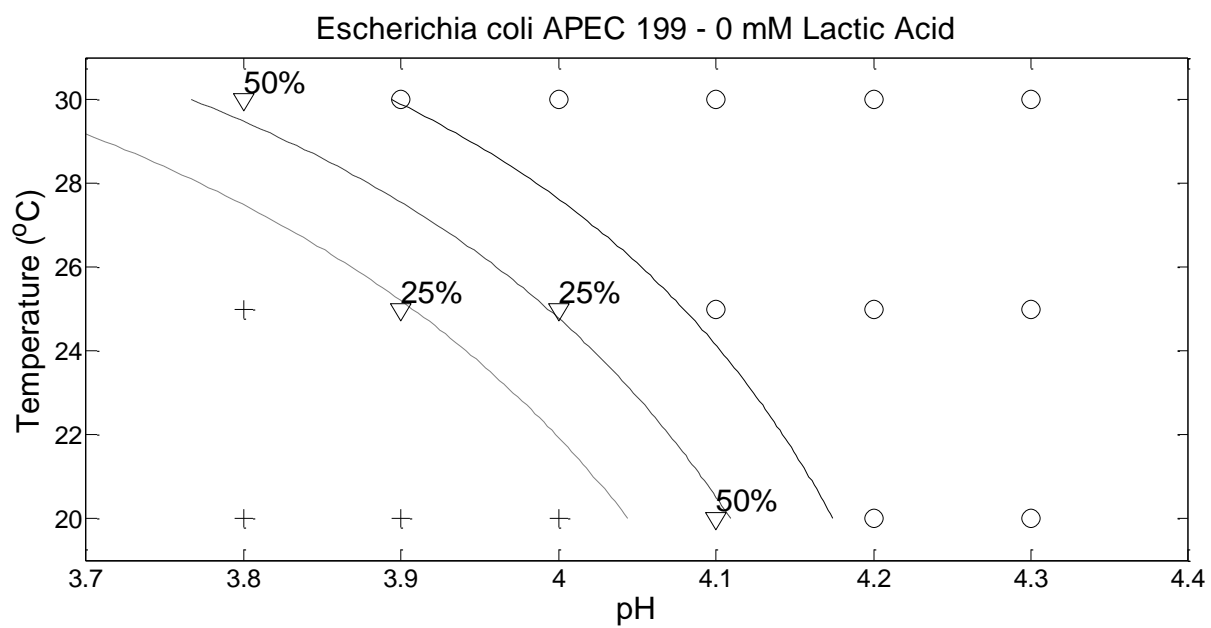
131. *E.coli* APEC199 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-286.23	61.97	-4.62	0.00	-427.38	-180.94	0.00	0.00	0.00
pH	66.78	14.49	4.61	0.00	42.15	99.80	1.00E+29	2.02E+18	2.21E+43
LA	-0.50	0.10	-4.97	0.00	-0.74	-0.33	0.61	0.48	0.72
Temp	7.37	1.84	4.01	0.00	4.16	11.44	1590.07	64.16	92978.05
pH:Temp	-1.65	0.42	-3.92	0.00	-2.58	-0.91	0.19	0.08	0.40

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	190.53	
pH	1	21.27	142	169.26	0.00
LA	1	69.25	141	100.01	0.00
Temp	1	14.92	140	85.09	0.00
pH:Temp	1	25.36	139	59.73	0.00

<b>AIC</b>	69.73
<b>Likelihood Ratio</b>	2.62E-27
<b>Log-Likelihood</b>	-29.86



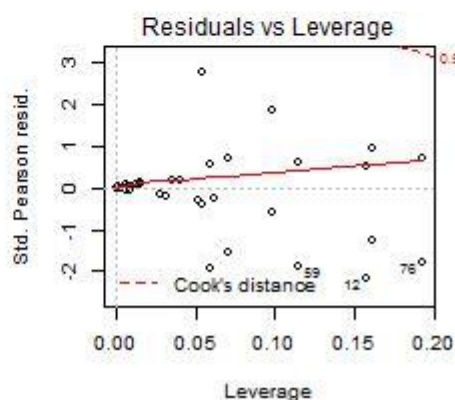
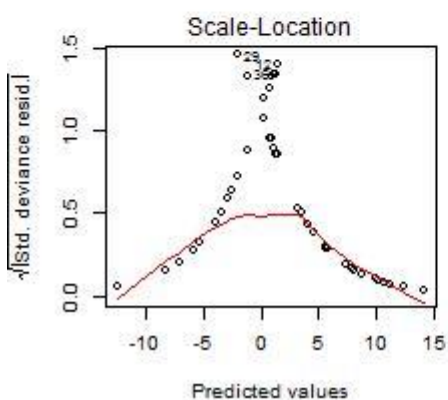
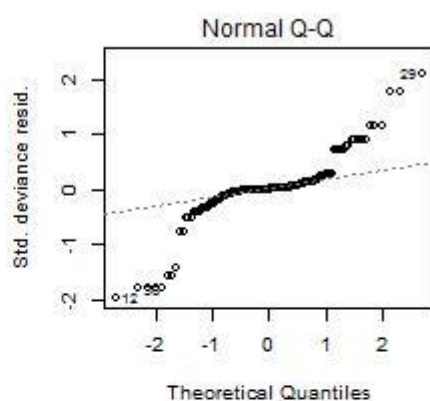
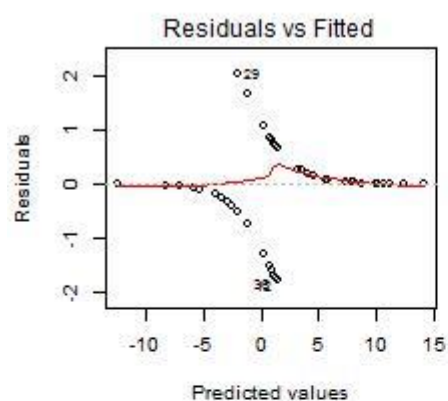


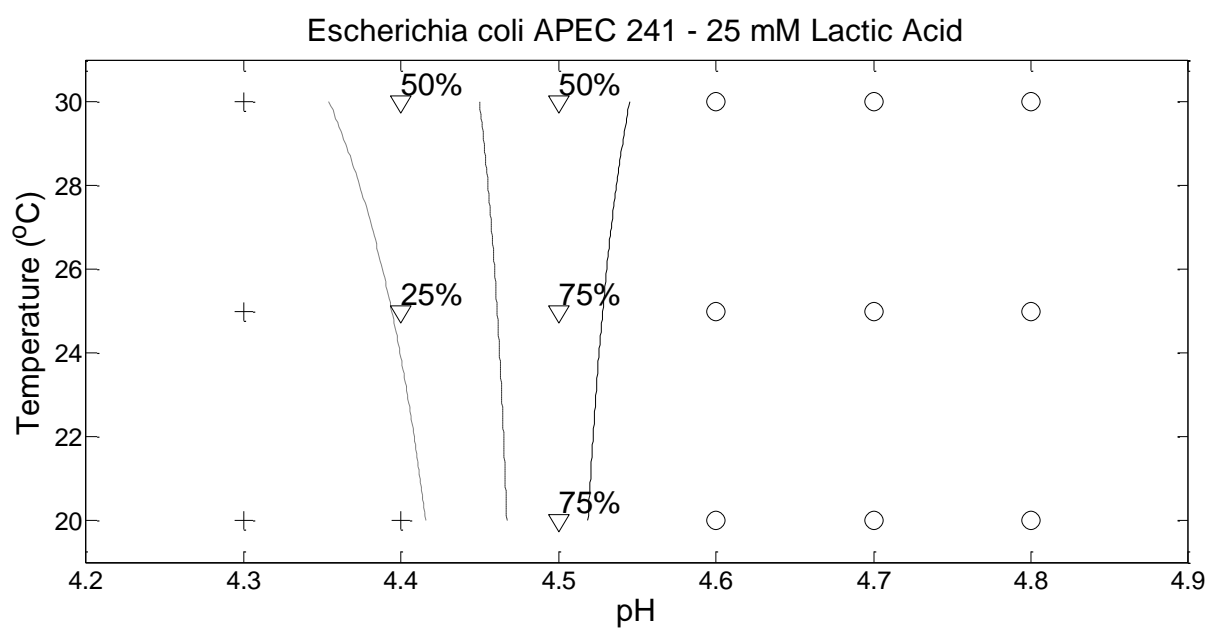
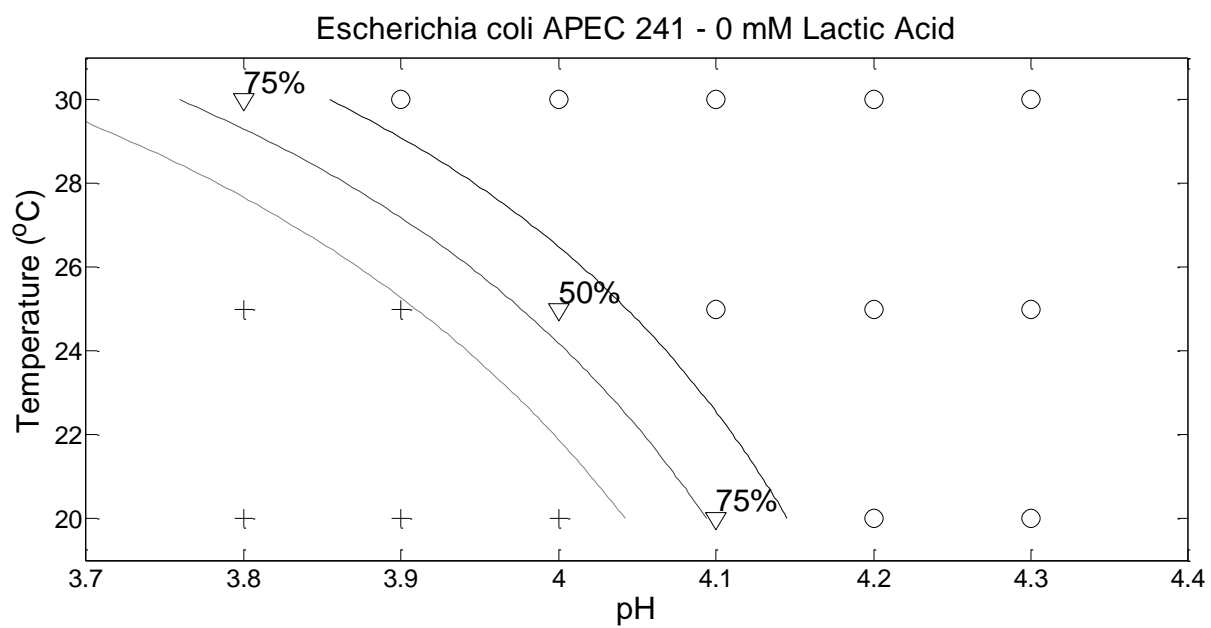
132. *E.coli* APEC241 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-349.96	81.34	-4.30	0.00	-541.28	-215.54	0.00	0.00	0.00
pH	81.72	19.03	4.29	0.00	50.25	126.48	3.10E+35	6.67E+21	8.53E+54
LA	-0.64	0.14	-4.50	0.00	-0.98	-0.41	0.53	0.37	0.66
Temp	8.78	2.30	3.82	0.00	4.86	14.03	6504.92	129.31	1.24E+06
pH:Temp	-1.96	0.52	-3.73	0.00	-3.15	-1.06	0.14	0.04	0.35

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	22.93	142	161.74	0.00
LA	1	70.43	141	91.31	0.00
Temp	1	19.98	140	71.34	0.00
pH:Temp	1	25.39	139	45.95	0.00

<b>AIC</b>	55.95
<b>Likelihood Ratio</b>	5.3E-29
<b>Log-Likelihood</b>	-22.98



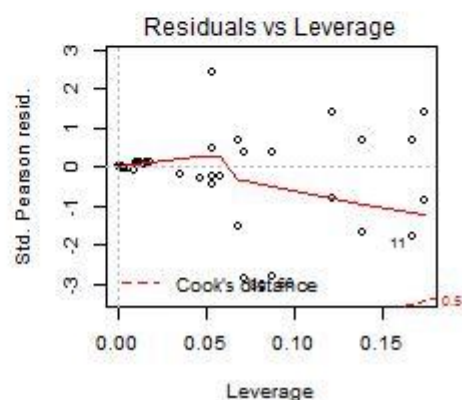
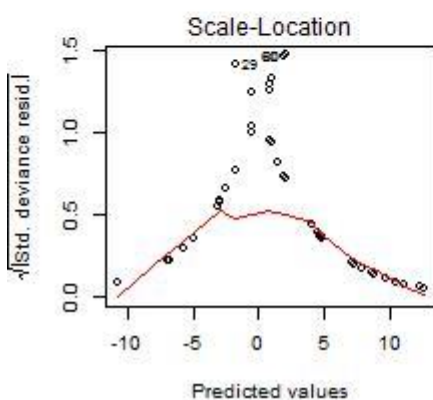
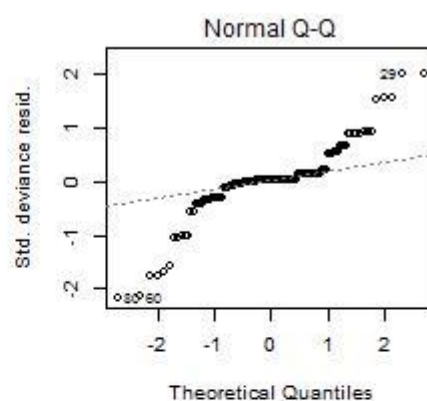
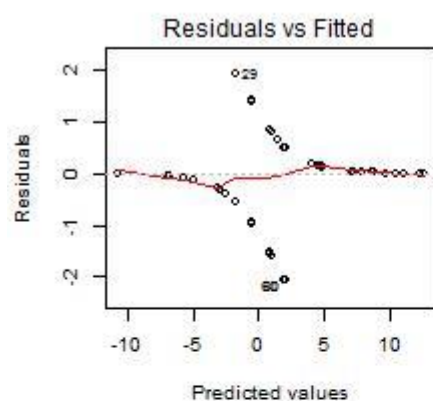


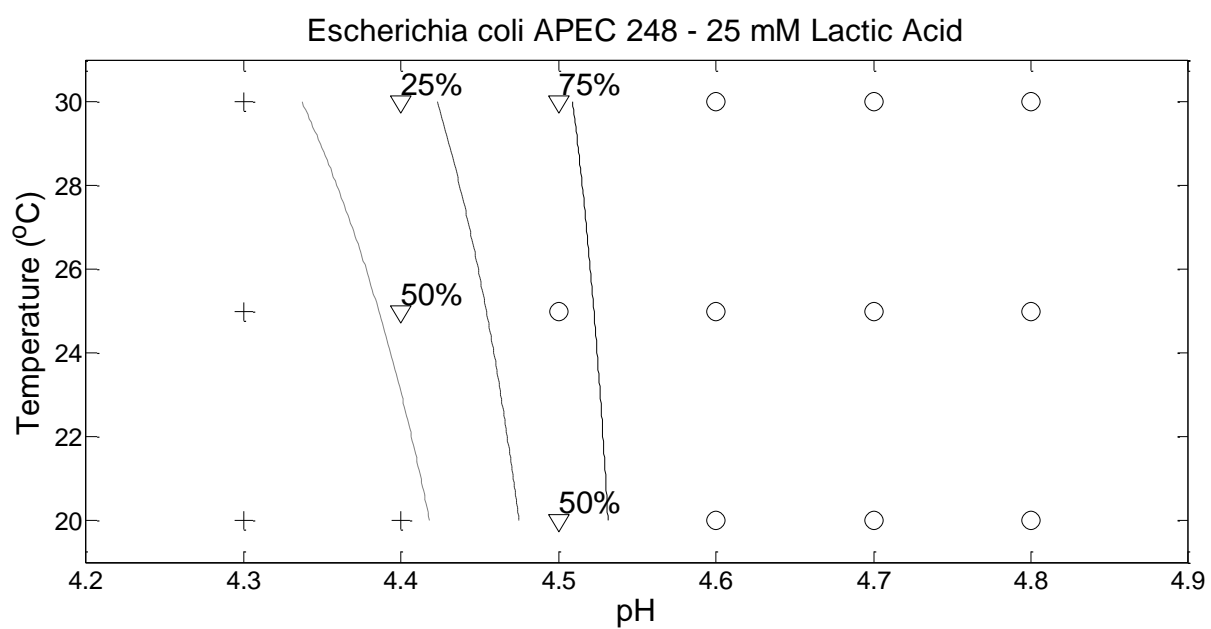
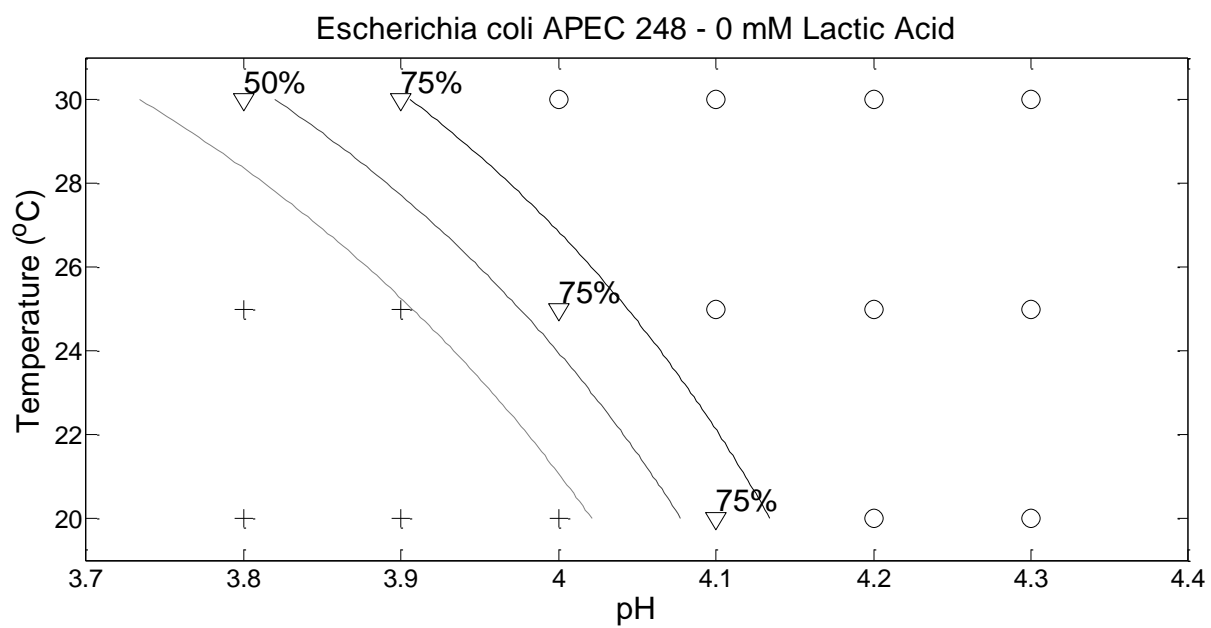
133. *E.coli* APEC248 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-279.37	69.40	-4.03	0.00	-441.96	-163.97	0.00	0.00	0.00
pH	65.28	16.24	4.02	0.00	38.22	103.25	2.25E+28	3.98E+16	6.94E+44
LA	-0.62	0.13	-4.65	0.00	-0.93	-0.40	0.54	0.39	0.67
Temp	6.06	1.94	3.13	0.00	2.68	10.43	428.05	14.62	33697.12
pH:Temp	-1.32	0.44	-2.98	0.00	-2.32	-0.54	0.27	0.10	0.58

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	28.14	142	156.53	0.00
LA	1	75.70	141	80.83	0.00
Temp	1	19.68	140	61.15	0.00
pH:Temp	1	12.62	139	48.52	0.00

<b>AIC</b>	58.52
<b>Likelihood Ratio</b>	1.89E-28
<b>Log-Likelihood</b>	-24.26





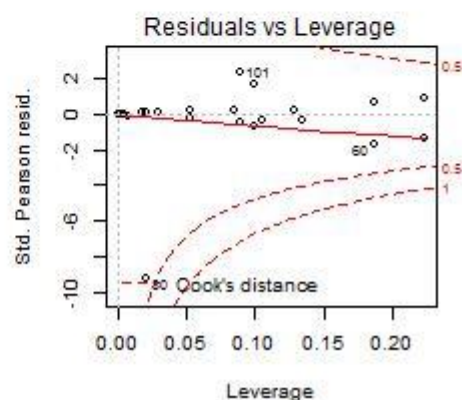
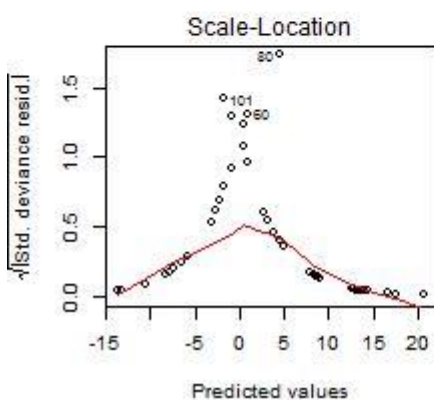
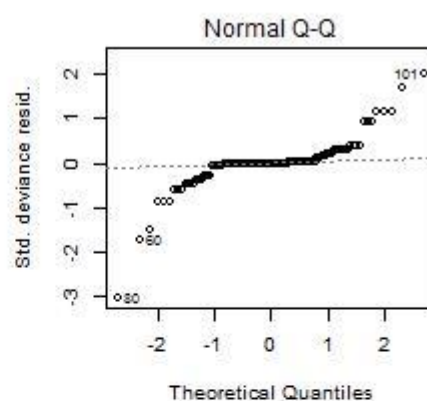
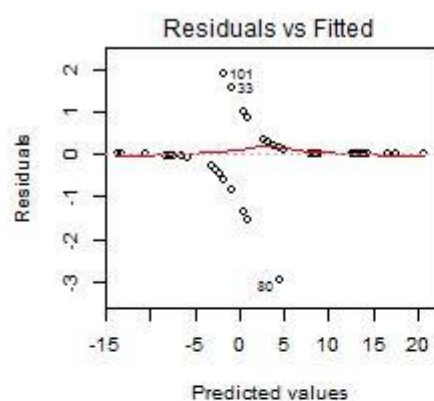


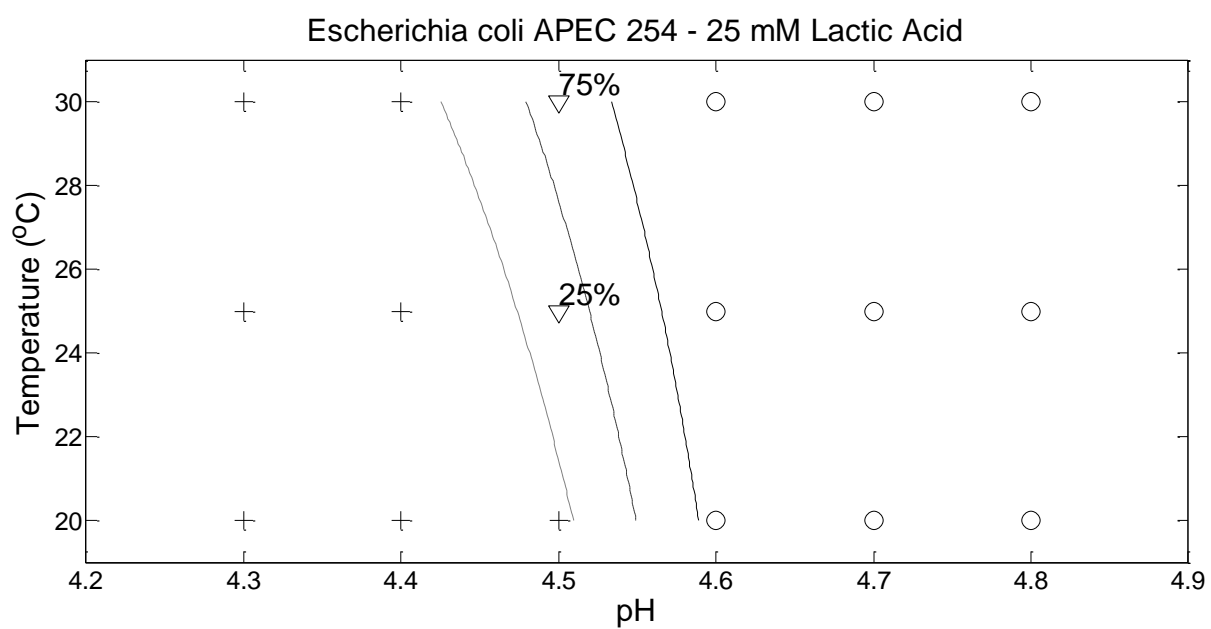
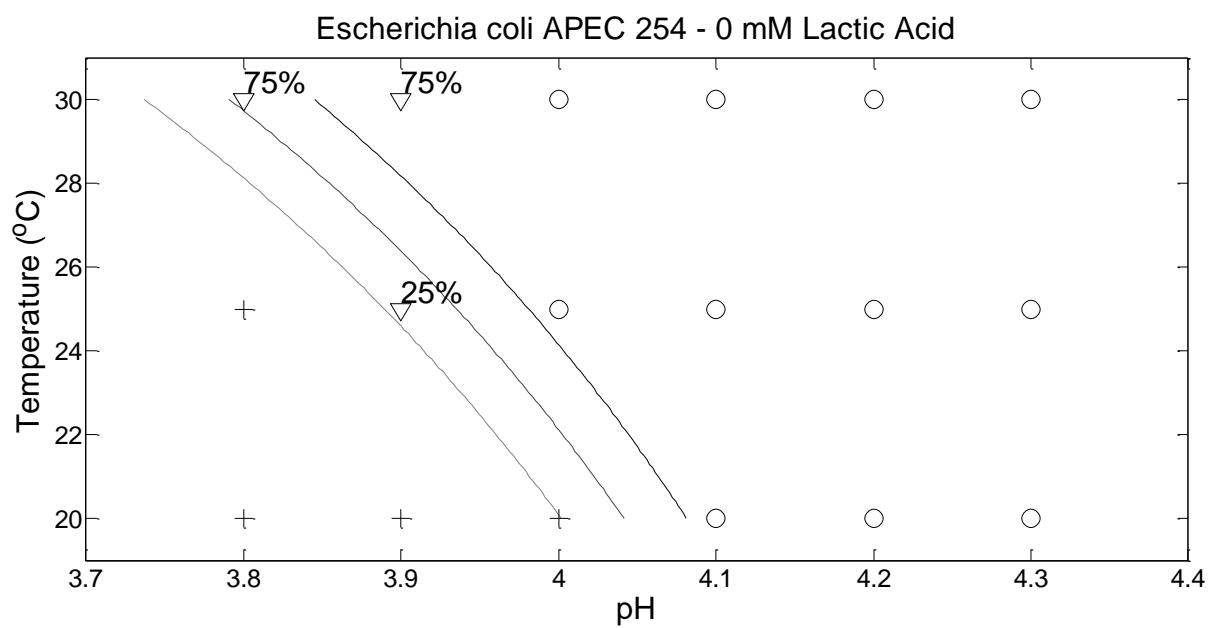
134. *E.coli* APEC254 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-360.57	94.66	-3.81	0.00	-608.40	-211.28	0.00	0.00	0.00
pH	84.17	22.26	3.78	0.00	49.17	142.91	3.59E+36	2.26E+21	1.17E+62
LA	-1.12	0.28	-3.95	0.00	-1.88	-0.69	0.33	0.15	0.50
Temp	6.88	2.24	3.06	0.00	3.18	12.49	968.99	24.10	265339.00
pH:Temp	-1.45	0.51	-2.86	0.00	-2.71	-0.61	0.23	0.07	0.54

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	189.48	
pH	1	12.50	142	176.98	0.00
LA	1	104.15	141	72.83	0.00
Temp	1	28.15	140	44.68	0.00
pH:Temp	1	13.95	139	30.73	0.00

<b>AIC</b>	40.73
<b>Likelihood Ratio</b>	2.71E-33
<b>Log-Likelihood</b>	-15.36



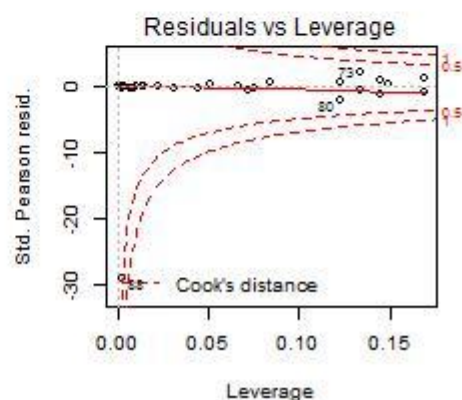
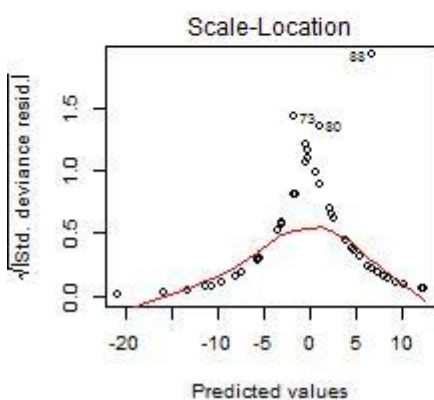
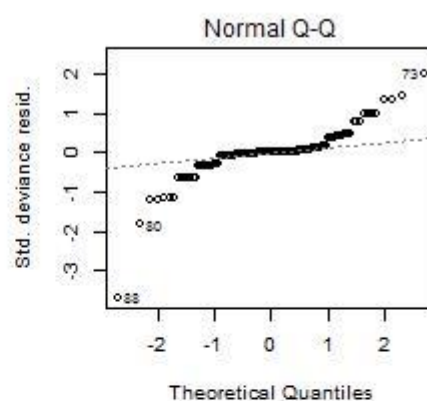
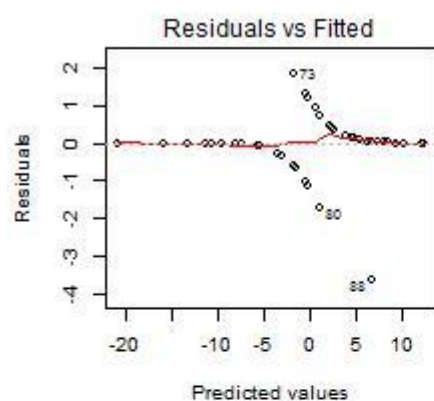


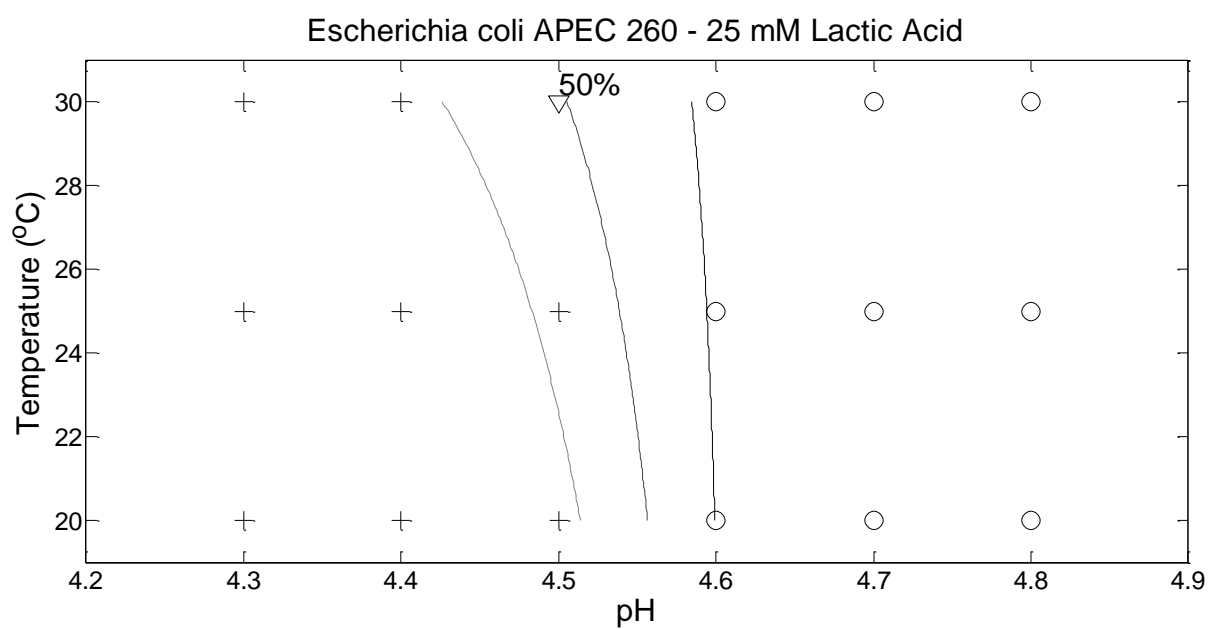
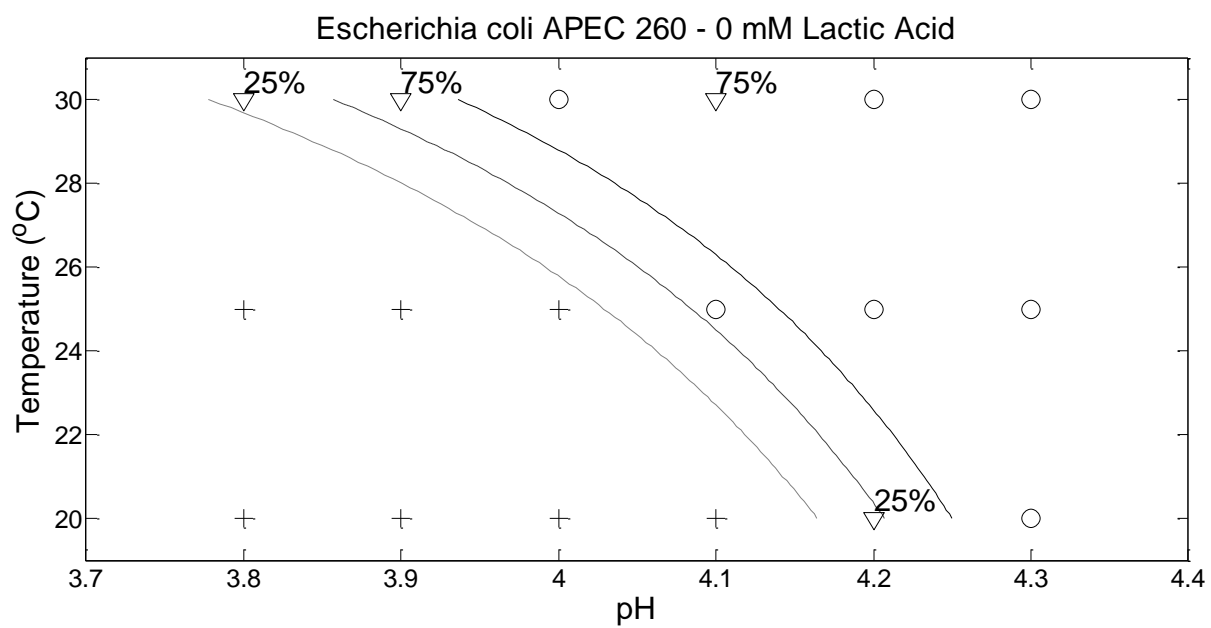
135. *E.coli* APEC260 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-435.23	105.85	-4.11	0.00	-692.82	-263.61	0.00	0.00	0.00
pH	98.84	24.16	4.09	0.00	59.70	157.82	8.44E+42	8.42E+25	3.47E+68
LA	-0.72	0.16	-4.40	0.00	-1.11	-0.46	0.49	0.33	0.63
Temp	10.94	2.94	3.72	0.00	6.09	18.08	5.65E+04	439.26	7.10E+07
pH:Temp	-2.37	0.65	-3.62	0.00	-3.96	-1.29	0.09	0.02	0.28

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	199.52	
pH	1	29.99	142	169.53	0.00
LA	1	70.06	141	99.47	0.00
Temp	1	29.28	140	70.19	0.00
pH:Temp	1	28.37	139	41.82	0.00

<b>AIC</b>	51.82
<b>Likelihood Ratio</b>	4.57E-33
<b>Log-Likelihood</b>	-20.91



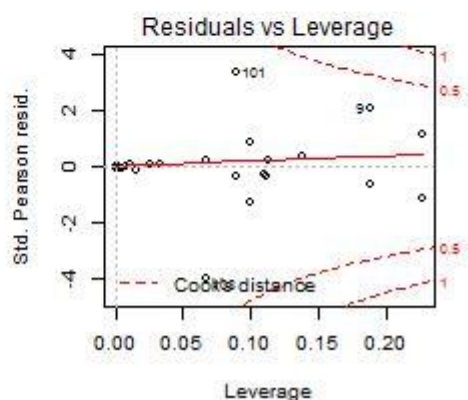
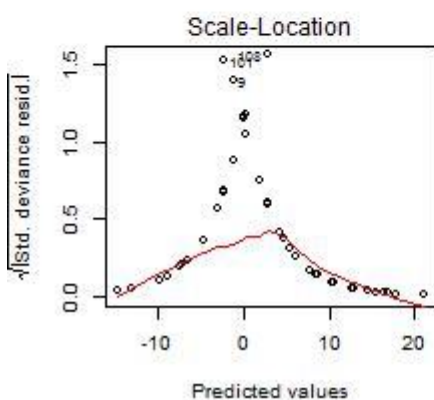
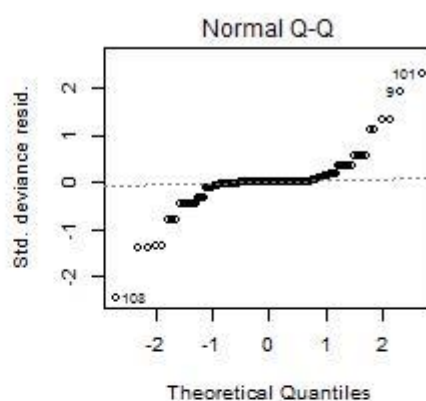
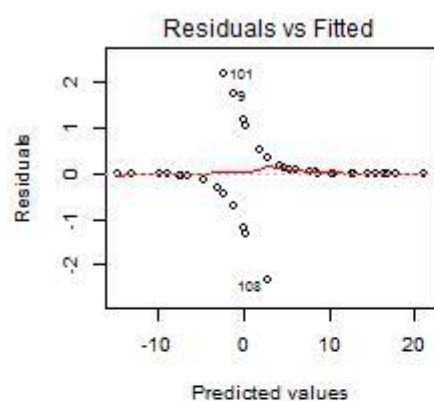


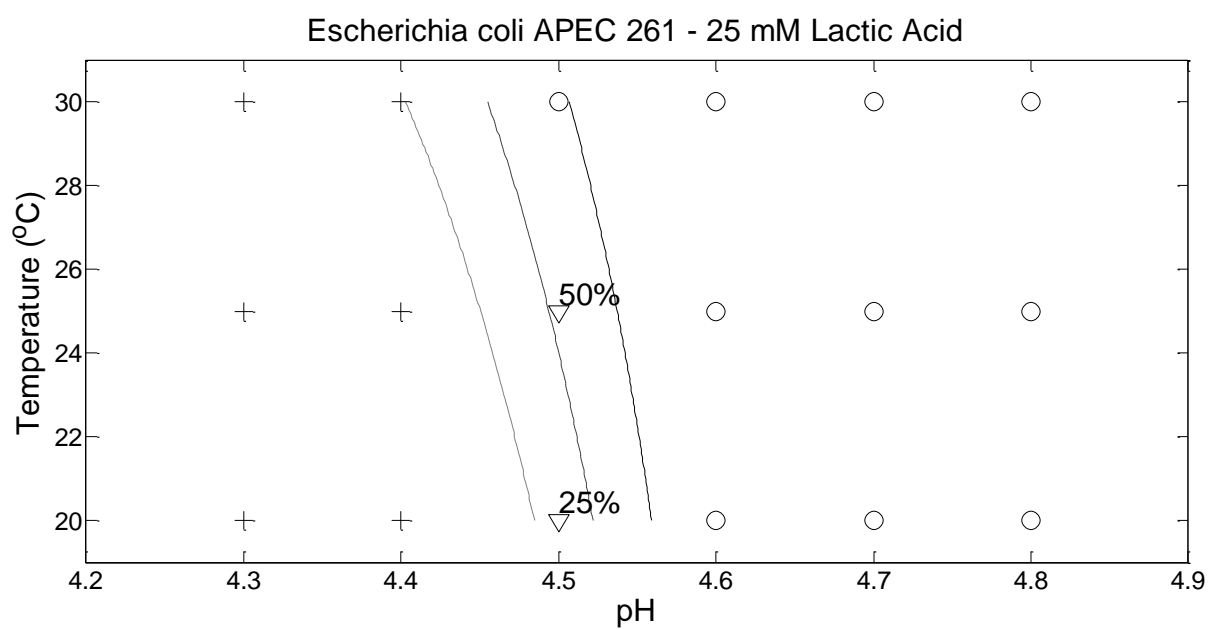
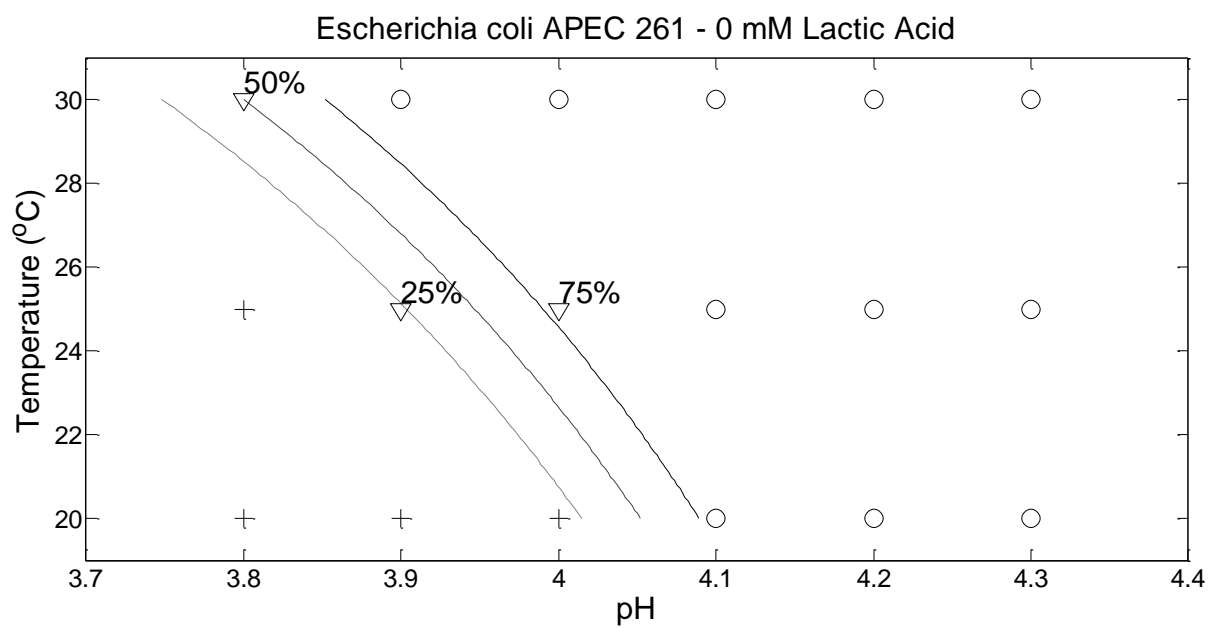
136. *E.coli* APEC261 (Prof. B. Goddeeris (KU Leuven, Belgium))

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-395.18	115.21	-3.43	0.00	-707.38	-220.57	0.00	0.00	0.00
pH	92.27	27.01	3.42	0.00	51.33	165.28	1.18E+40	1.96E+22	6.04E+71
LA	-1.11	0.29	-3.89	0.00	-1.86	-0.67	0.33	0.16	0.51
Temp	7.81	2.82	2.77	0.01	3.38	15.40	2469.58	29.47	4.86E+06
pH:Temp	-1.66	0.63	-2.63	0.01	-3.36	-0.66	0.19	0.03	0.52

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	187.20	
pH	1	17.45	142	169.74	0.00
LA	1	97.61	141	72.14	0.00
Temp	1	28.62	140	43.52	0.00
pH:Temp	1	13.41	139	30.10	0.00

<b>AIC</b>	40.10
<b>Likelihood Ratio</b>	6.14E-33
<b>Log-Likelihood</b>	-15.05



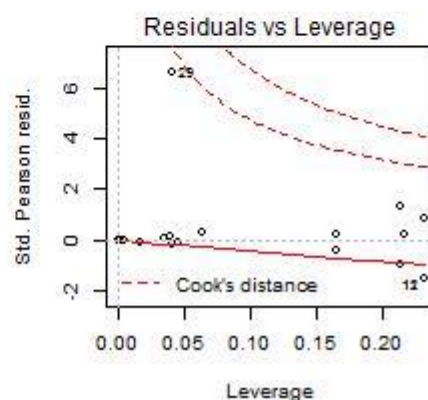
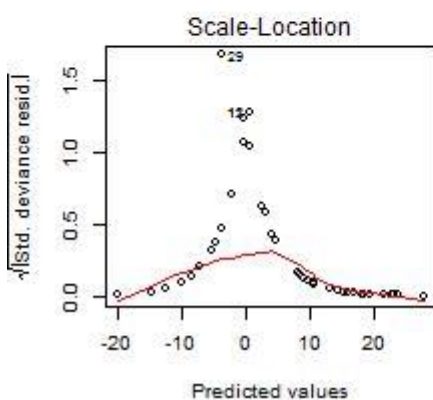
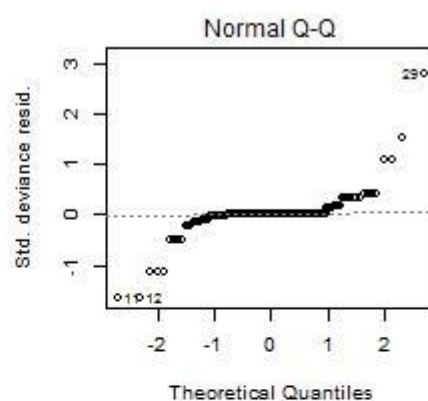
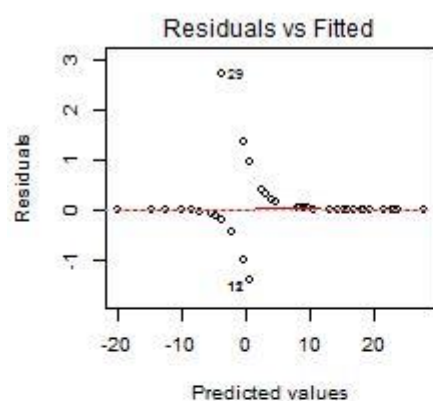


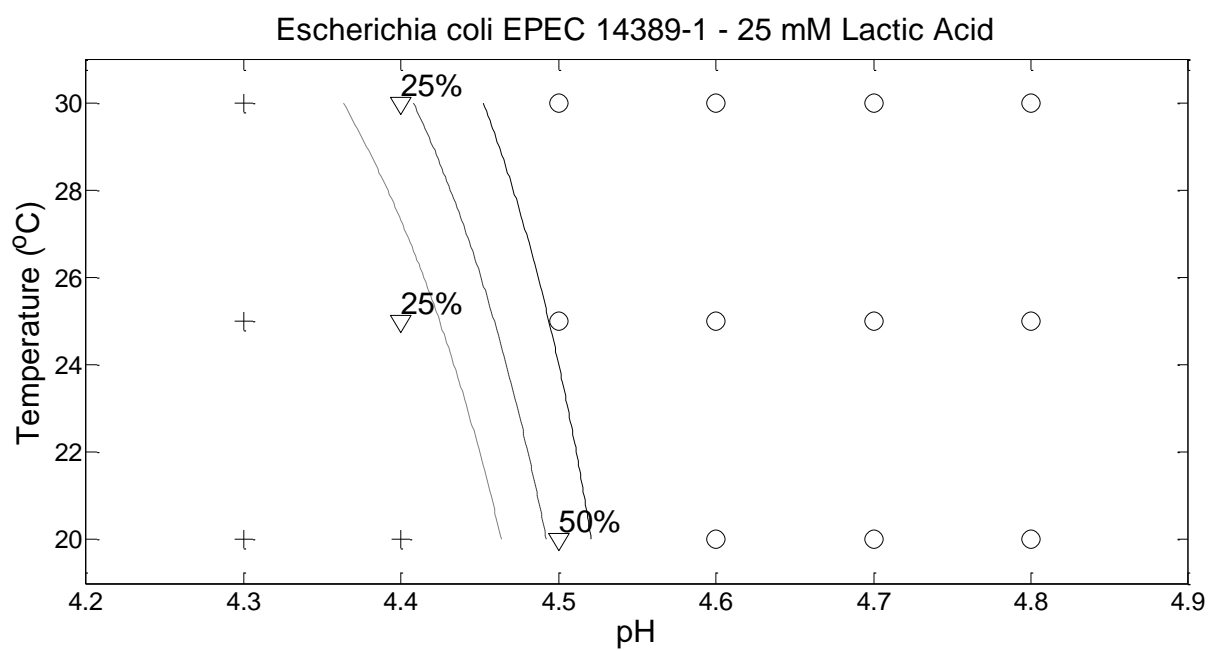
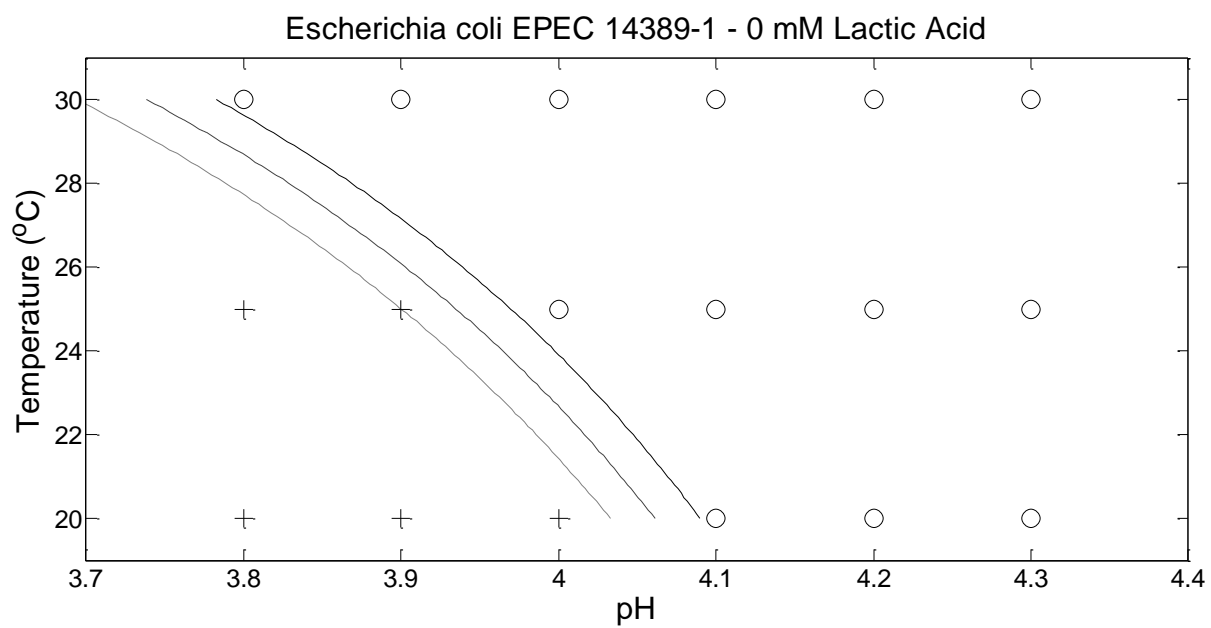
137. *E.coli* EPEC 14389-1

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-567.50	170.90	-3.32	0.00	-1076.55	-316.82	0.00	0.00	0.00
pH	131.85	39.52	3.34	0.00	73.65	248.98	1.82E+57	9.72E+31	1.35E+108
LA	-1.33	0.40	-3.31	0.00	-2.47	-0.75	0.27	0.08	0.47
Temp	12.74	4.33	2.94	0.00	6.42	26.97	3.41E+05	616.06	5.16E+11
pH:Temp	-2.74	0.95	-2.88	0.00	-5.87	-1.34	0.06	0.00	0.26

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	177.26	
pH	1	18.40	142	158.86	0.00
LA	1	78.76	141	80.09	0.00
Temp	1	34.54	140	45.56	0.00
pH:Temp	1	24.55	139	21.01	0.00

<b>AIC</b>	31.01
<b>Likelihood Ratio</b>	9.31E-33
<b>Log-Likelihood</b>	-10.51





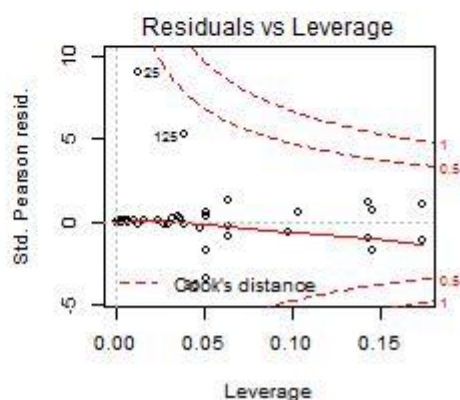
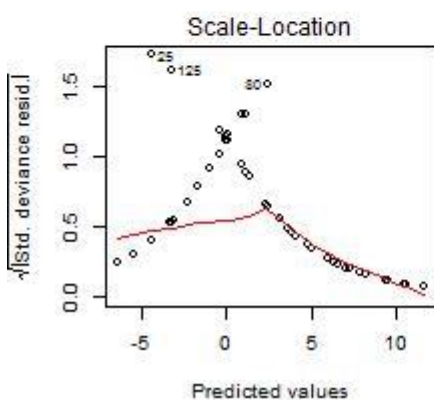
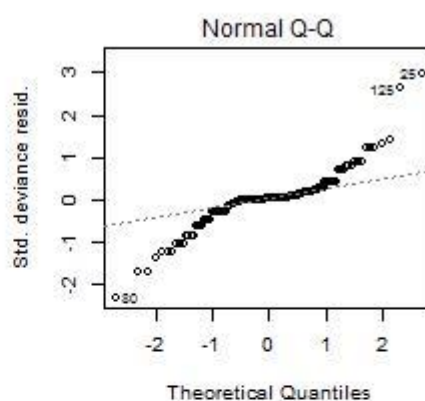
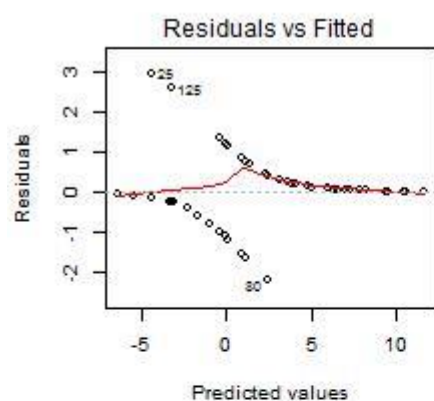


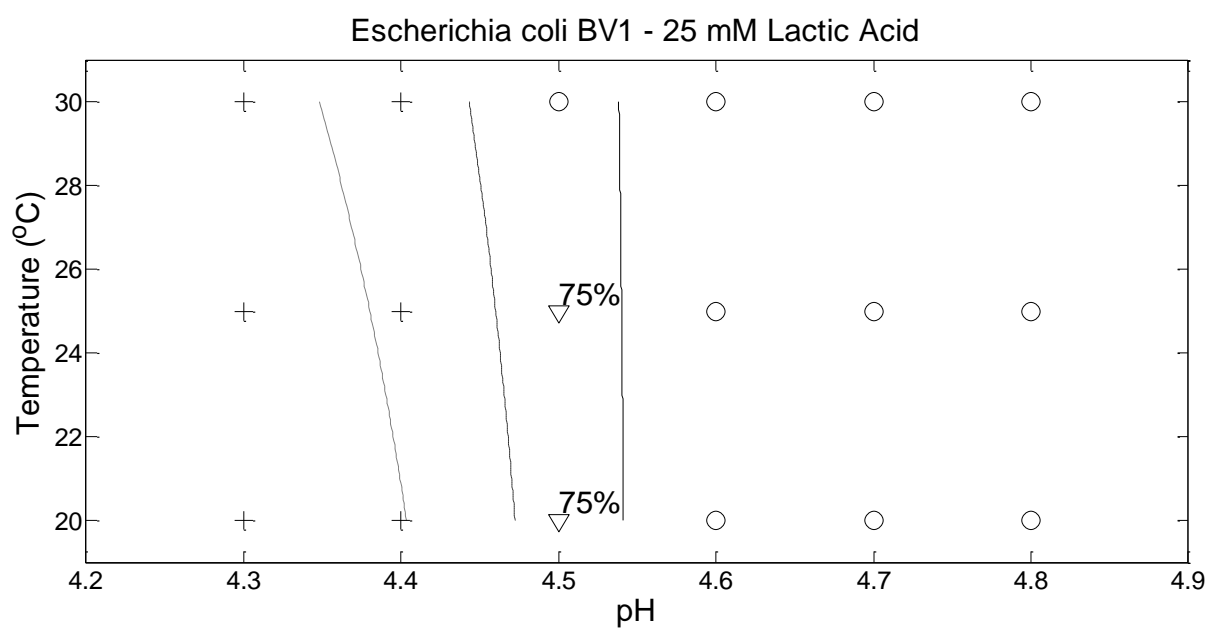
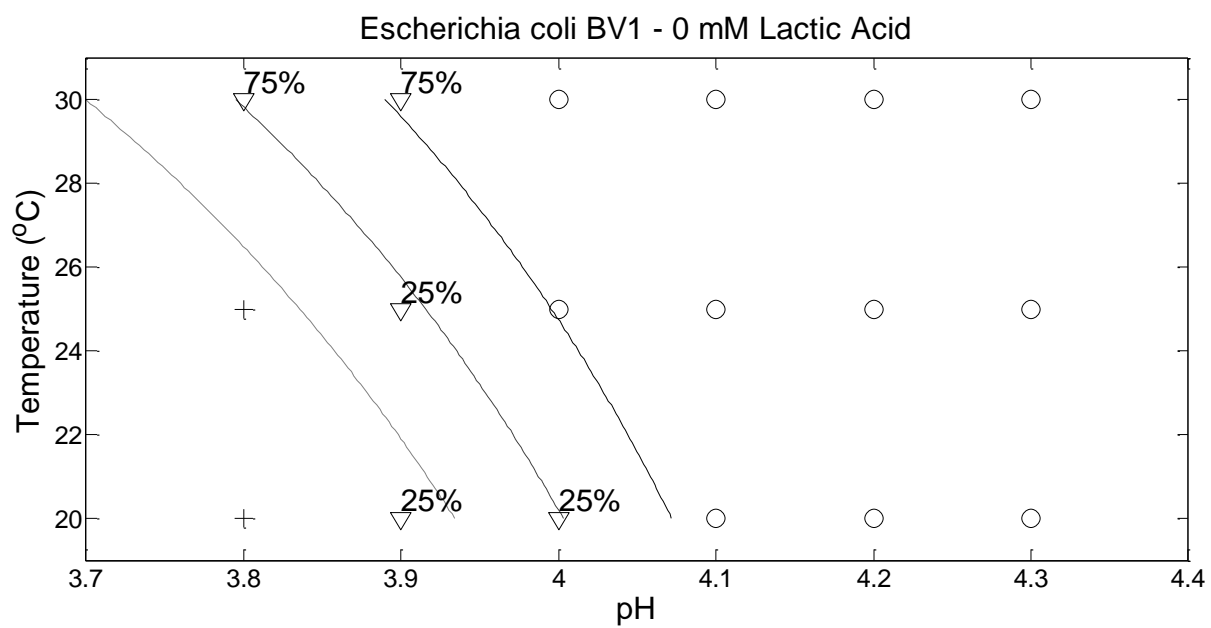
138. *E.coli* BV1 - isolated from slug

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-207.67	50.49	-4.11	0.00	-321.55	-121.12	0.00	0.00	0.00
pH	49.48	12.03	4.11	0.00	28.88	76.65	3.08E+21	3.48E+12	1.94E+33
LA	-0.60	0.12	-4.83	0.00	-0.89	-0.40	0.55	0.41	0.67
Temp	4.00	1.45	2.77	0.01	1.38	7.11	54.70	3.96	1229.88
pH:Temp	-0.88	0.34	-2.61	0.01	-1.60	-0.26	0.41	0.20	0.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	177.26	
pH	1	16.26	142	161.00	0.00
LA	1	86.46	141	74.54	0.00
Temp	1	11.39	140	63.15	0.00
pH:Temp	1	8.21	139	54.93	0.00

<b>AIC</b>	64.93
<b>Likelihood Ratio</b>	1.7E-25
<b>Log-Likelihood</b>	-27.47



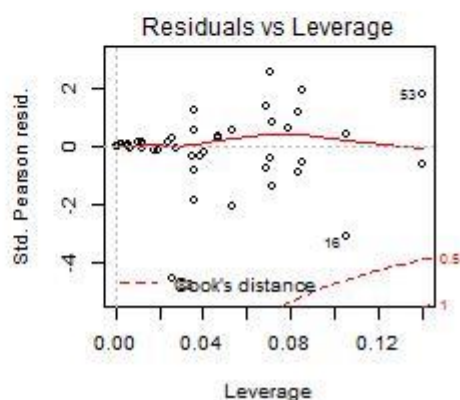
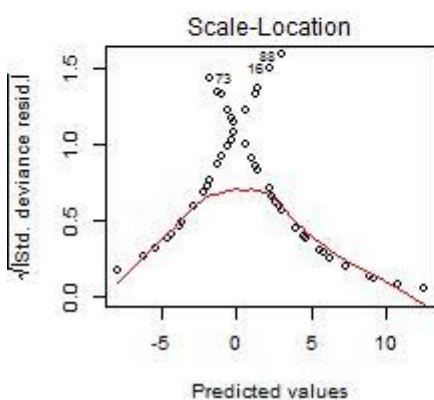
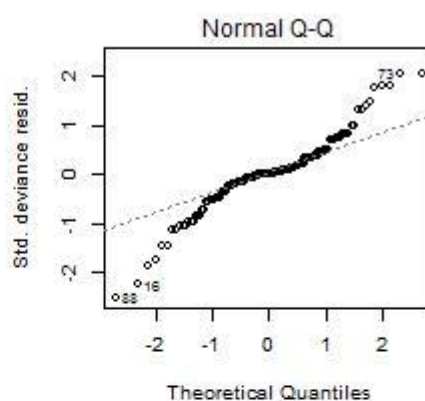
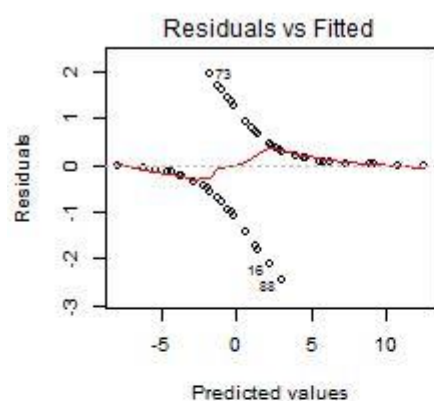


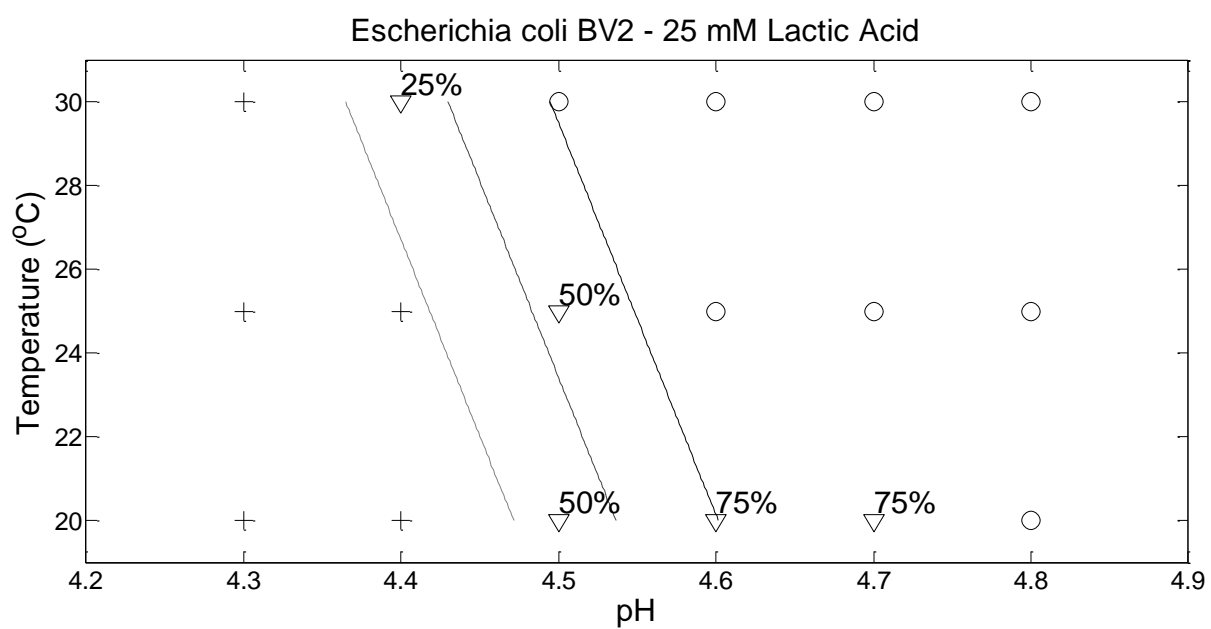
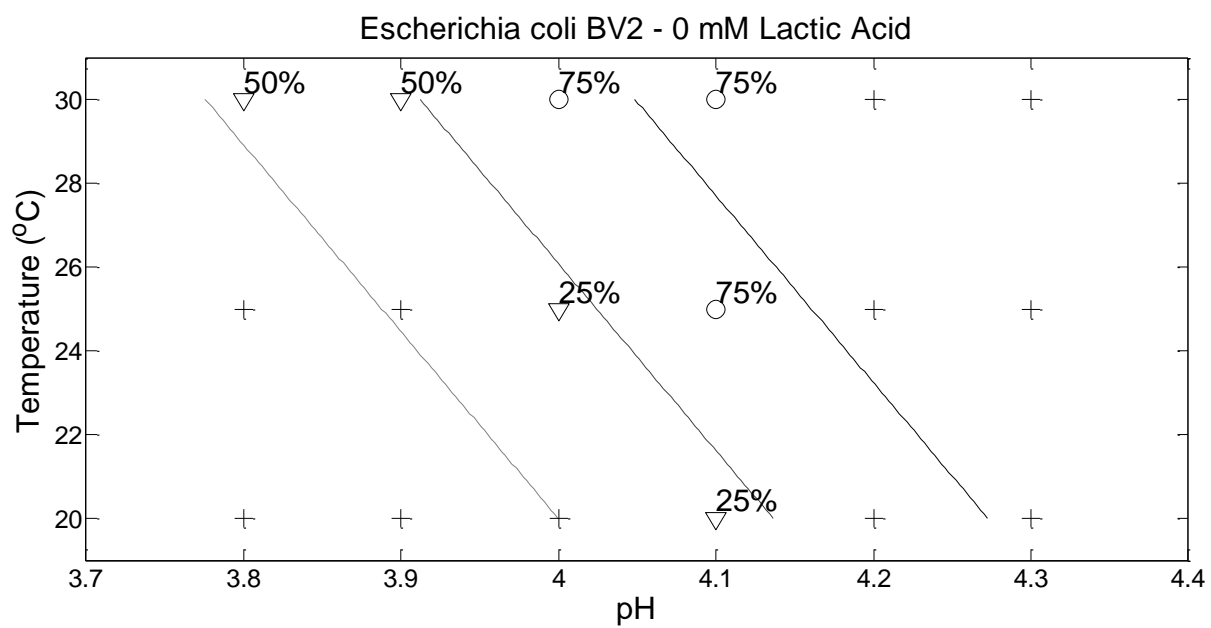
**139. *E.coli* BV2 - isolated from river water**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-73.85	15.51	-4.76	0.00	-109.07	-47.41	0.00	0.00	0.00
pH	16.11	3.48	4.63	0.00	10.16	24.01	9.91E+06	2.59E+04	2.69E+10
LA	-3.47	1.49	-2.33	0.02	-7.08	-1.01	0.03	0.00	0.37
Temp	0.36	0.10	3.71	0.00	0.19	0.58	1.43	1.21	1.78
pH:LA	0.71	0.34	2.12	0.03	0.15	1.52	2.03	1.16	4.55

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.25	
pH	1	35.16	142	161.10	0.00
LA	1	66.08	141	95.01	0.00
Temp	1	19.17	140	75.84	0.00
pH:LA	1	6.62	139	69.22	0.01

<b>AIC</b>	79.22
<b>Likelihood Ratio</b>	1.68E-26
<b>Log-Likelihood</b>	-34.61



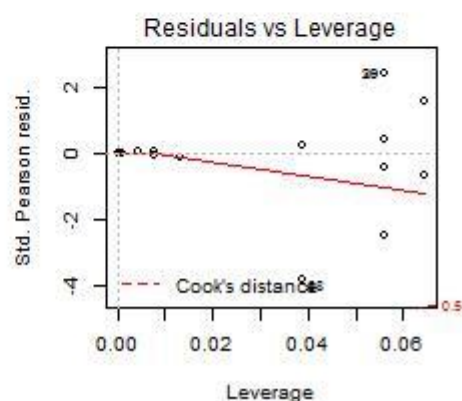
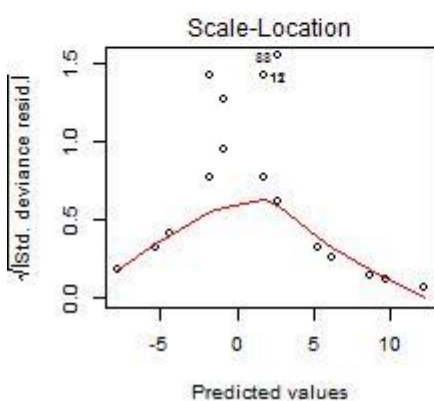
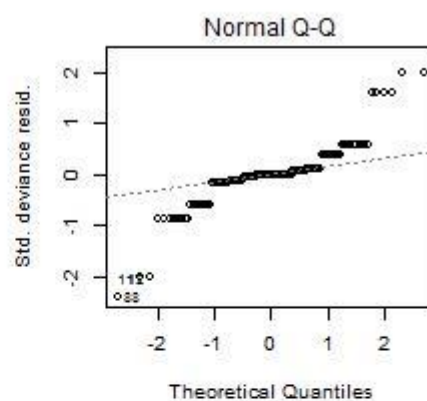
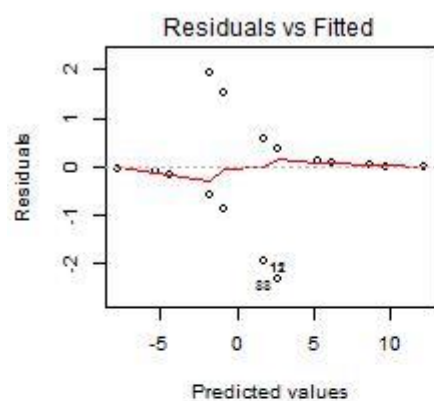


**140. *E.coli* BV3 - isolated from rabbit feces**

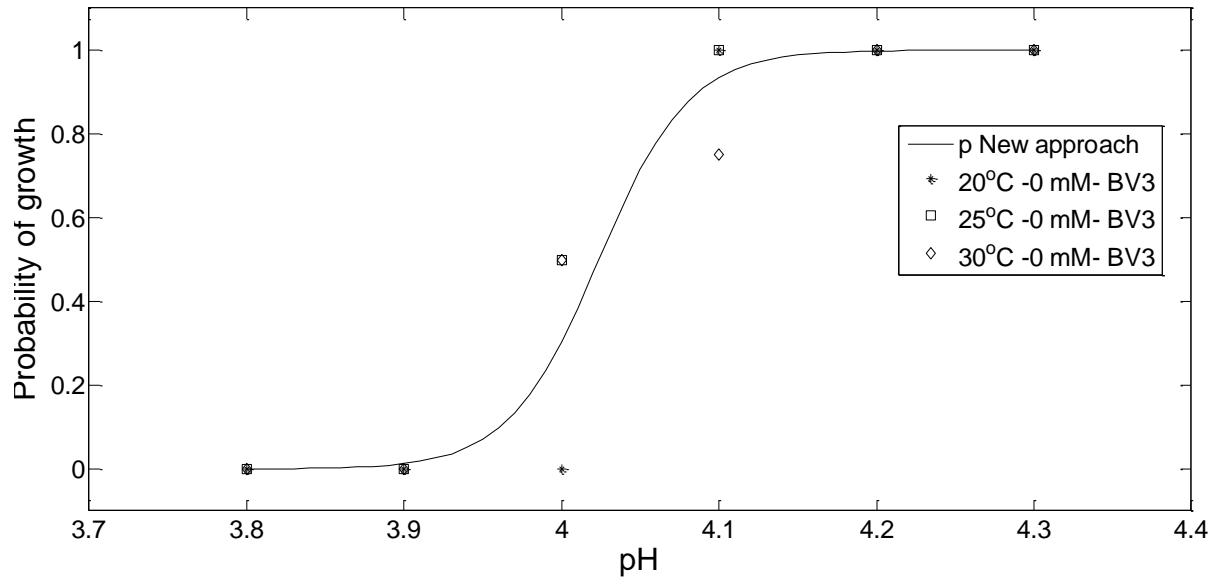
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-140.11	28.60	-4.90	0.00	-207.51	-93.43	0.00	0.00	0.00
pH	34.82	7.12	4.89	0.00	23.22	51.62	1.33E+15	1.21E+10	2.62E+22
LA	-0.59	0.13	-4.68	0.00	-0.90	-0.39	0.55	0.41	0.68

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	193.33	
pH	1	52.10	142	141.23	0.00
LA	1	96.64	141	44.59	0.00

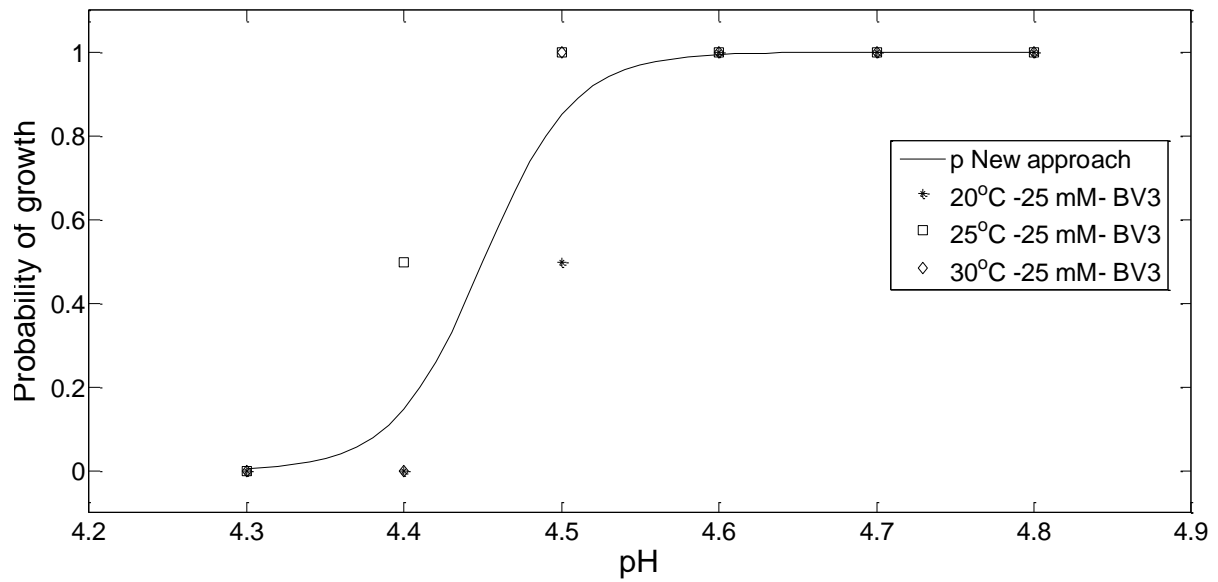
<b>AIC</b>	50.59
<b>Likelihood Ratio</b>	5.04E-33
<b>Log-Likelihood</b>	-22.30

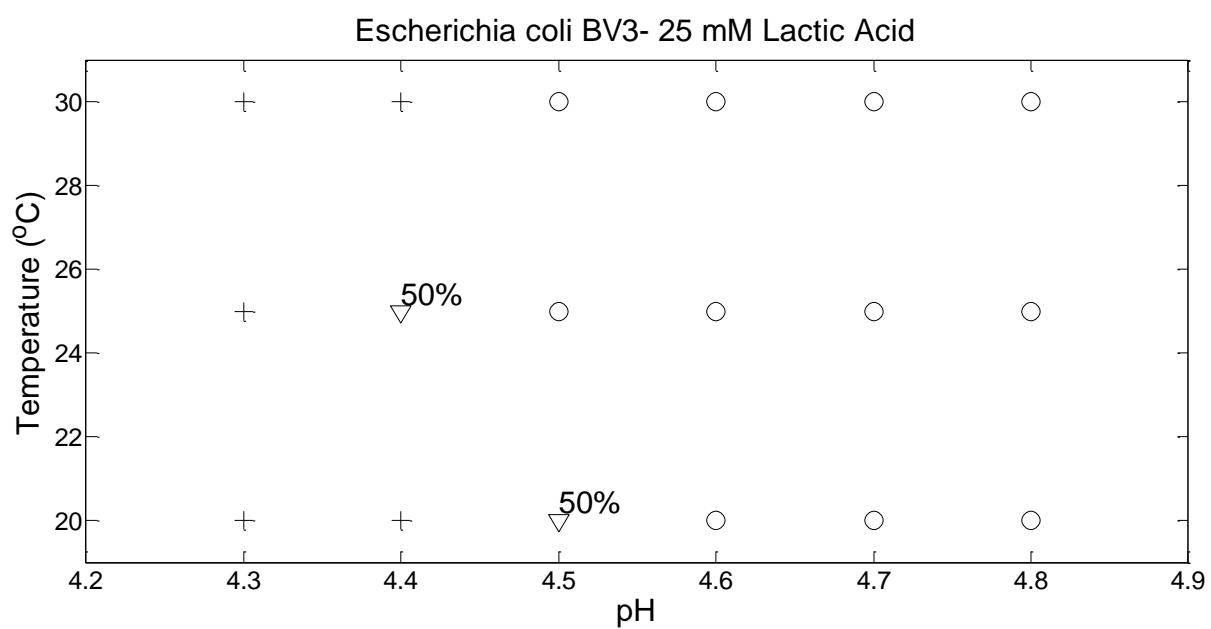
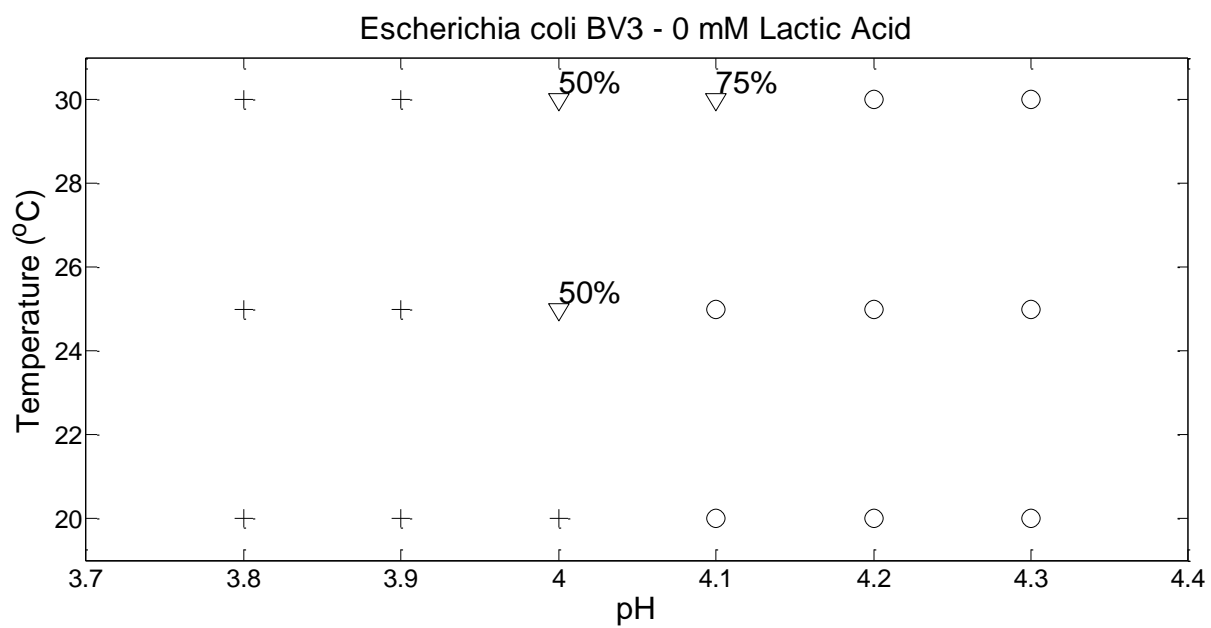


Escherichia coli BV3 - 0 mM Lactic Acid



Escherichia coli BV3 - 25 mM Lactic Acid







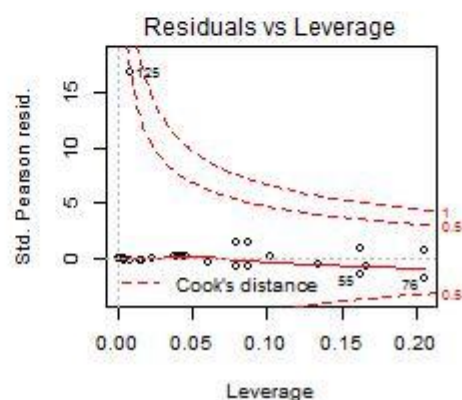
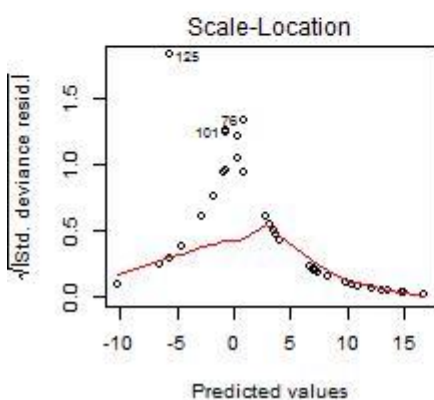
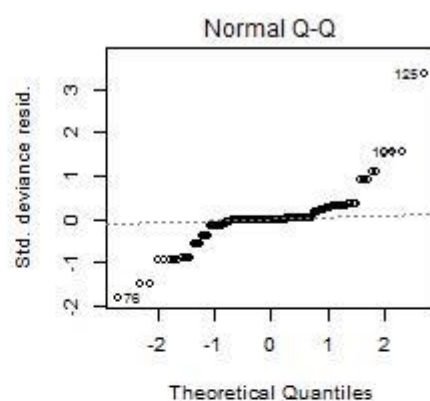
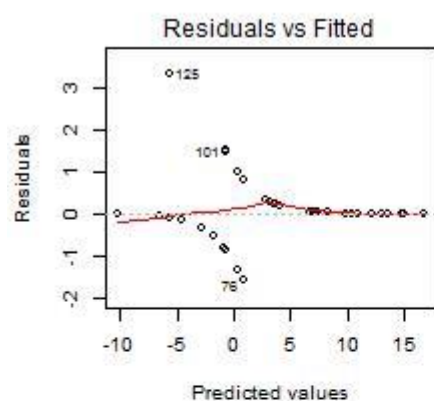


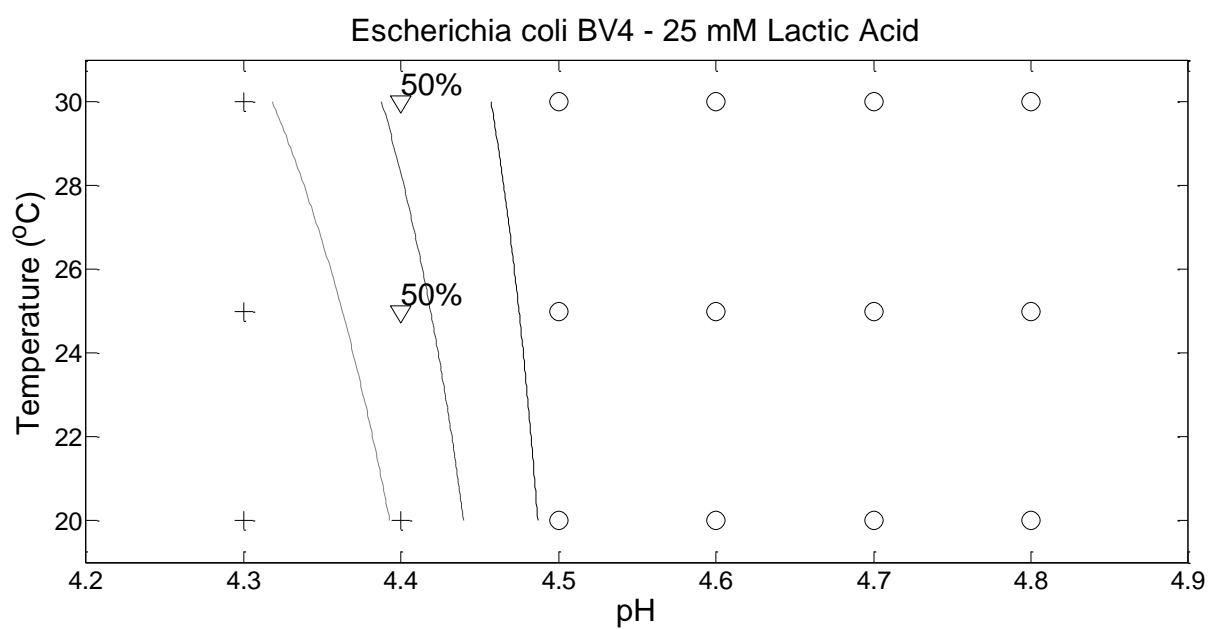
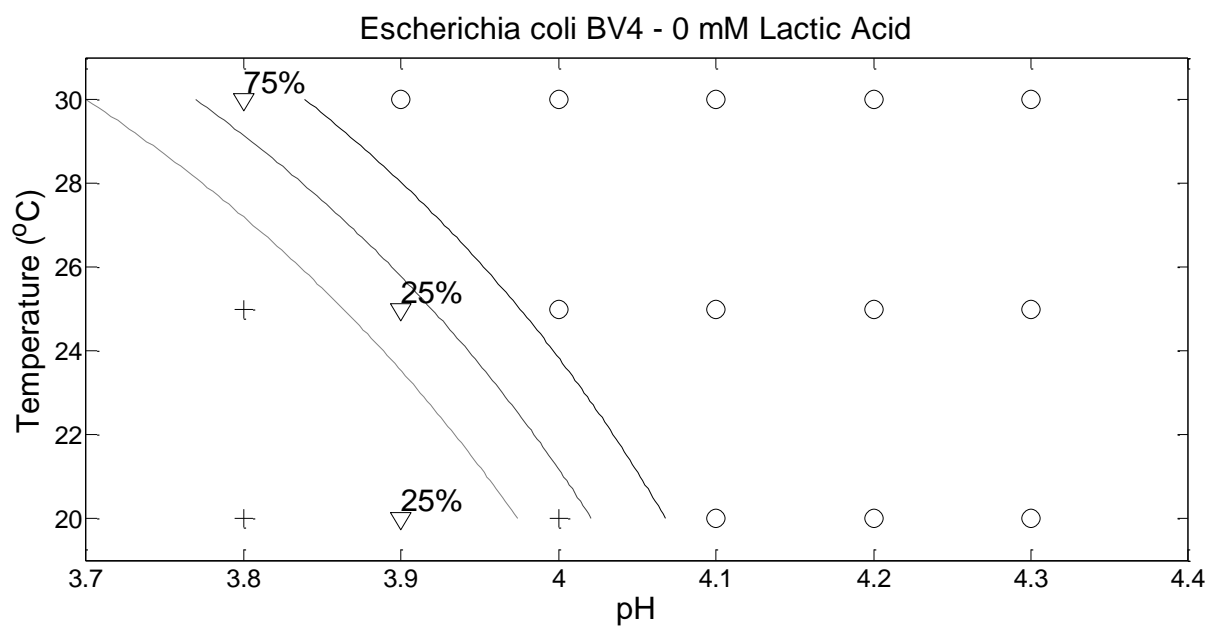
**141. *E.coli* BV4 - isolated from dog feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-324.66	85.27	-3.81	0.00	-544.54	-188.20	0.00	0.00	0.00
pH	76.79	20.35	3.77	0.00	44.33	129.49	2.24E+33	1.78E+19	1.73E+56
LA	-0.78	0.20	-3.99	0.00	-1.30	-0.48	0.46	0.27	0.62
Temp	6.85	2.22	3.09	0.00	3.09	12.14	940.61	22.07	1.87E+05
pH:Temp	-1.51	0.51	-2.93	0.00	-2.73	-0.63	0.22	0.07	0.53

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	21.82	142	146.39	0.00
LA	1	72.56	141	73.83	0.00
Temp	1	22.11	140	51.72	0.00
pH:Temp	1	13.45	139	38.27	0.00

<b>AIC</b>	48.27
<b>Likelihood Ratio</b>	3.99E-27
<b>Log-Likelihood</b>	-19.13



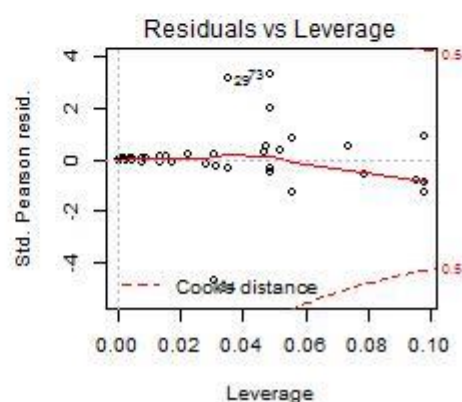
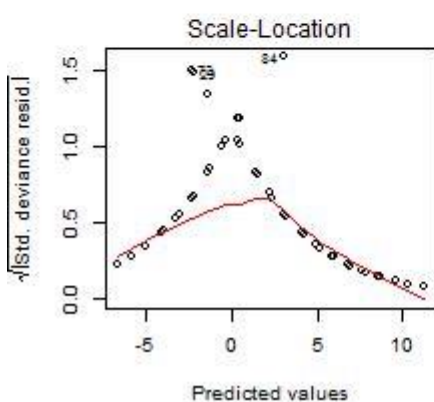
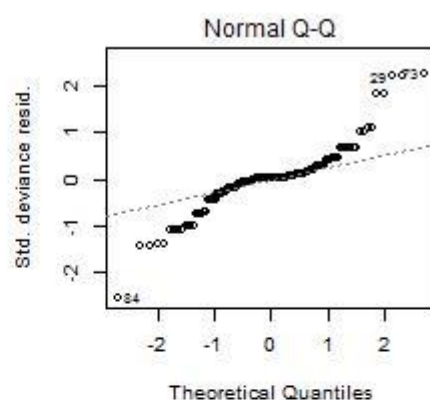
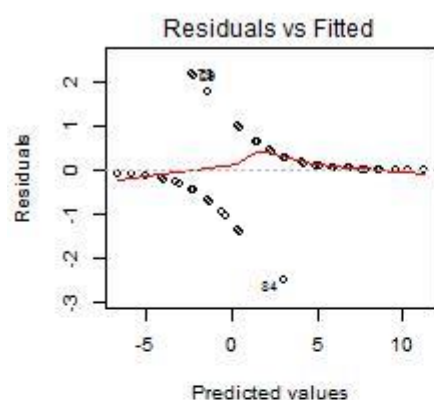


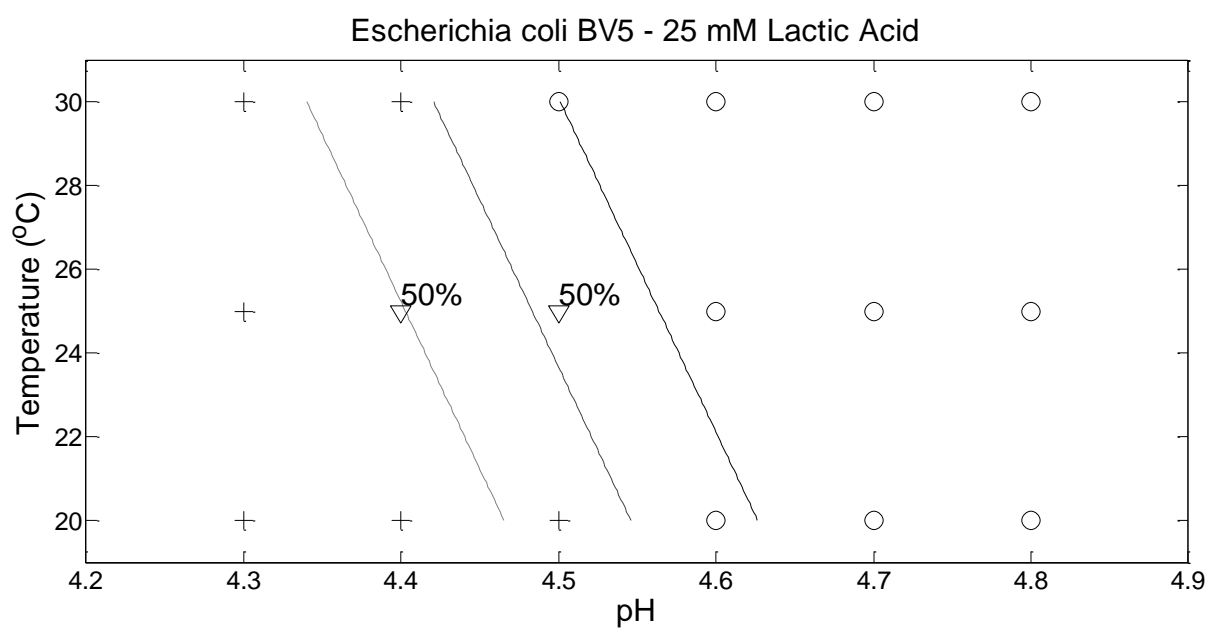
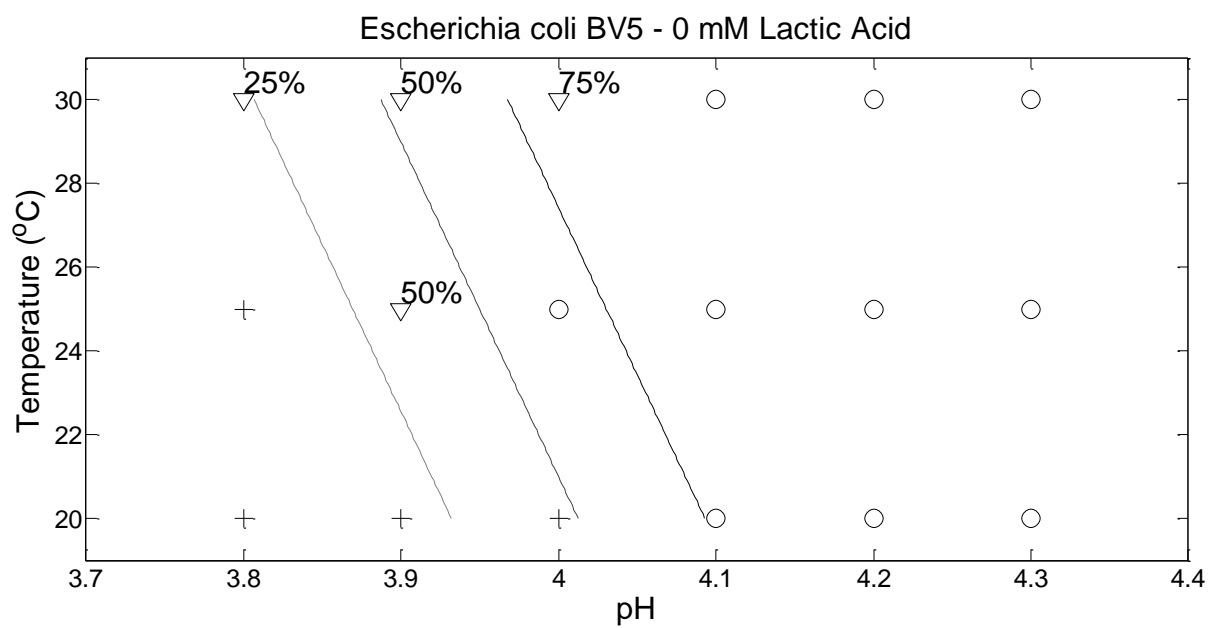
**142. *E.coli* BV5 - isolated from rabbit feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-116.32	22.36	-5.20	0.00	-168.55	-79.40	0.00	0.00	0.00
pH	27.29	5.23	5.22	0.00	18.65	39.51	7.09E+11	1.26E+08	1.45E+17
LA	-0.58	0.11	-5.08	0.00	-0.85	-0.39	0.56	0.43	0.68
Temp	0.34	0.10	3.27	0.00	0.16	0.57	1.41	1.17	1.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	188.37	
pH	1	22.23	142	166.14	0.00
LA	1	93.77	141	72.37	0.00
Temp	1	15.10	140	57.27	0.00

<b>AIC</b>	65.27
<b>Likelihood Ratio</b>	3.13E-28
<b>Log-Likelihood</b>	-28.63



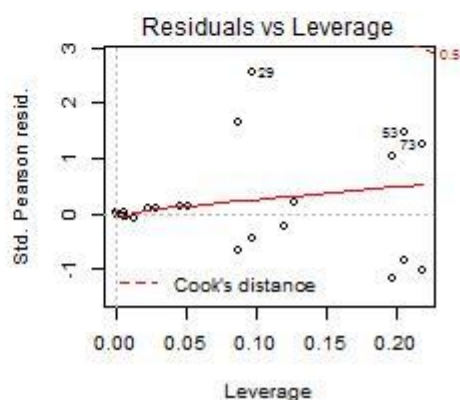
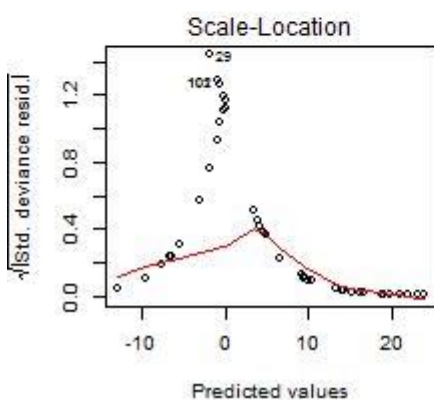
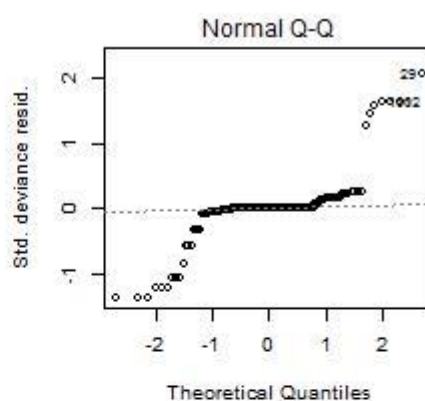
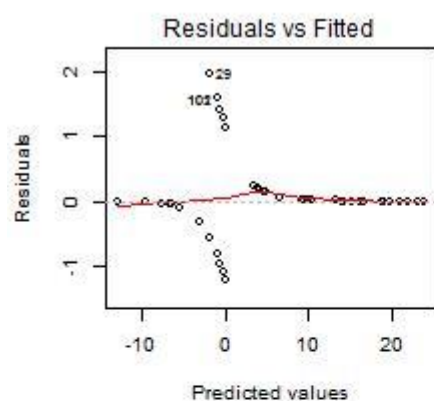


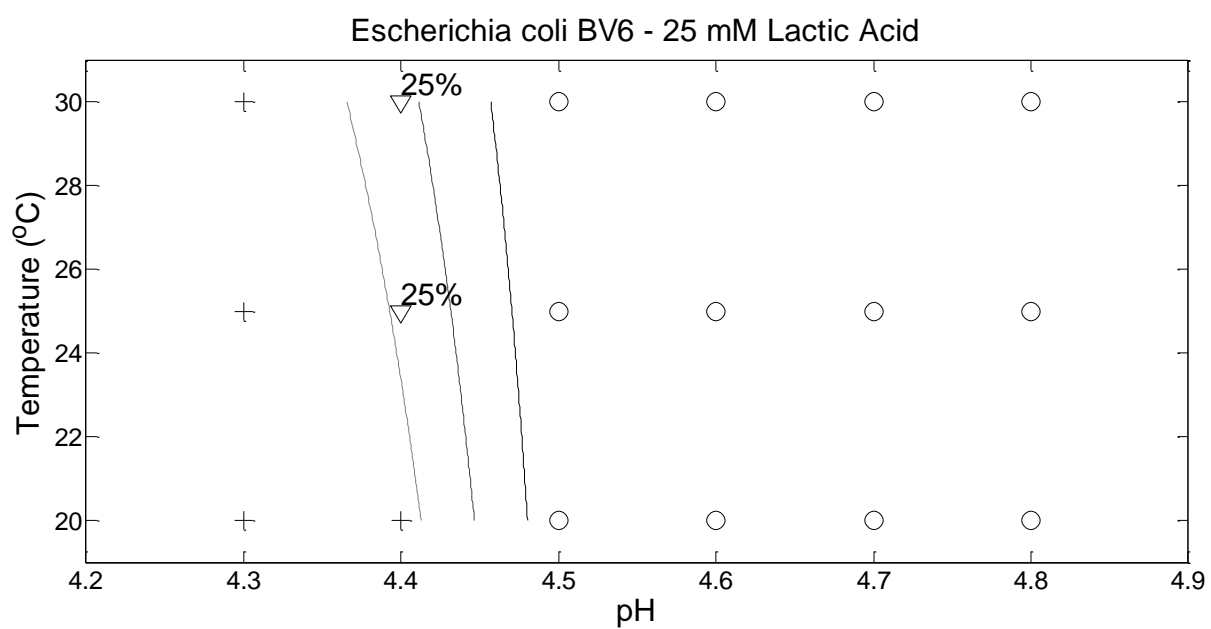
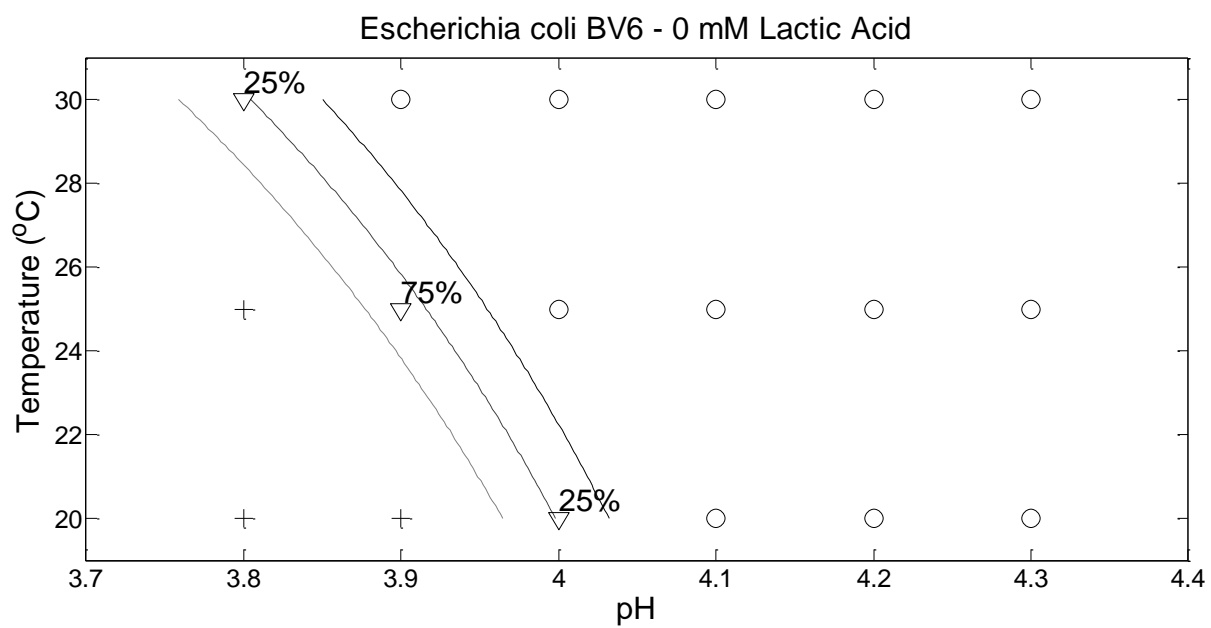
**143. *E.coli* BV6 - isolated from rabbit feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-415.02	139.29	-2.98	0.00	-864.11	-218.85	0.00	0.00	0.00
pH	99.14	33.38	2.97	0.00	52.24	207.06	1.14E+43	4.89E+22	8.40E+89
LA	-1.17	0.36	-3.22	0.00	-2.27	-0.66	0.31	0.10	0.52
Temp	7.73	3.10	2.49	0.01	3.06	17.35	2.28E+03	21.39	3.42E+07
pH:Temp	-1.70	0.71	-2.39	0.02	-3.89	-0.62	0.18	0.02	0.54

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	172.04	
pH	1	21.69	142	150.35	0.00
LA	1	92.68	141	57.66	0.00
Temp	1	15.93	140	41.74	0.00
pH:Temp	1	11.97	139	29.77	0.00

<b>AIC</b>	39.77
<b>Likelihood Ratio</b>	9.22E-30
<b>Log-Likelihood</b>	-14.88



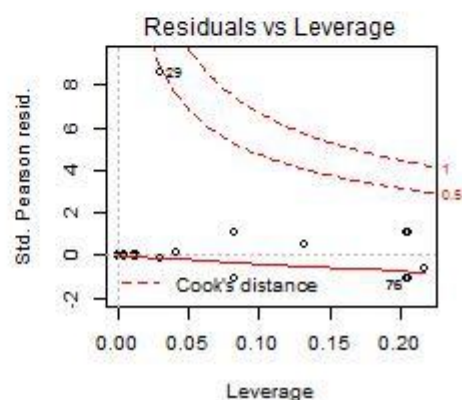
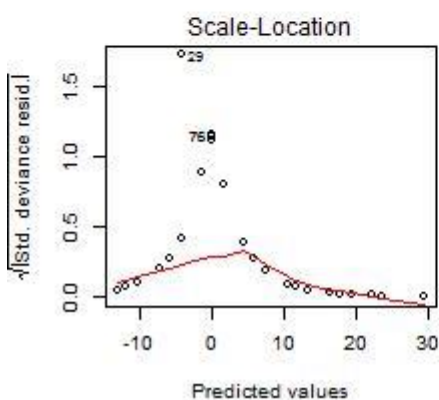
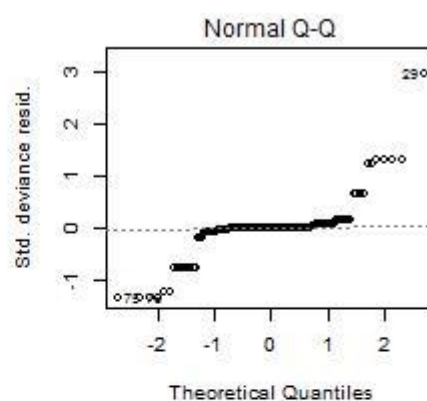
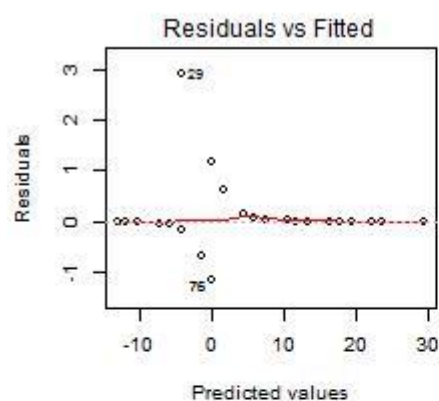


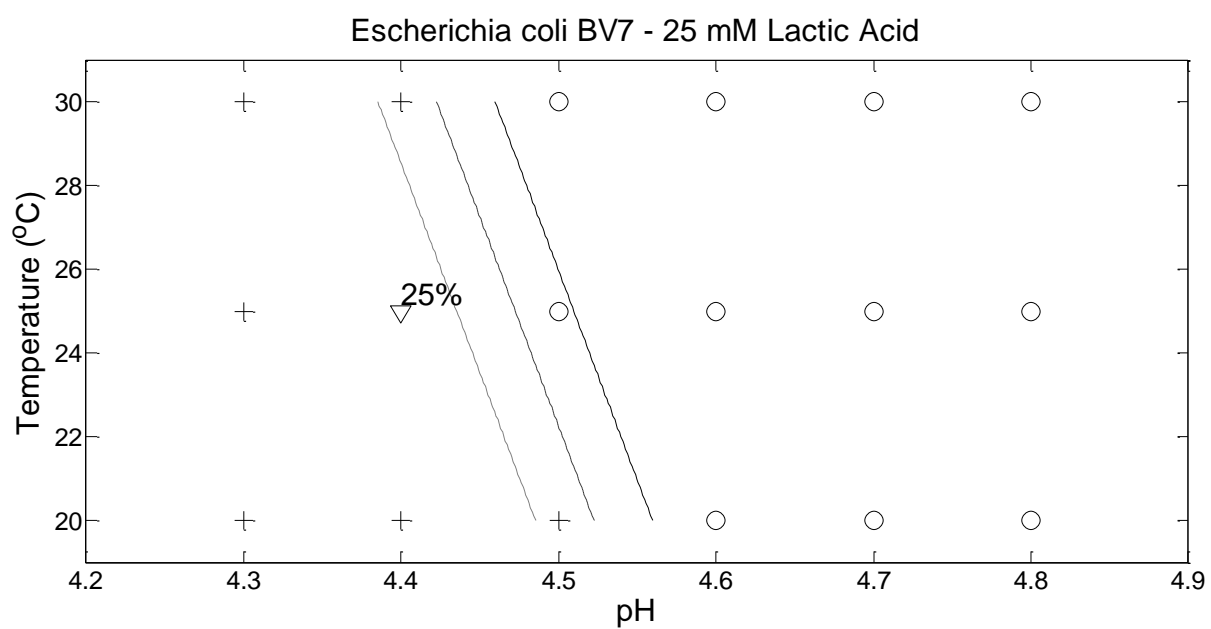
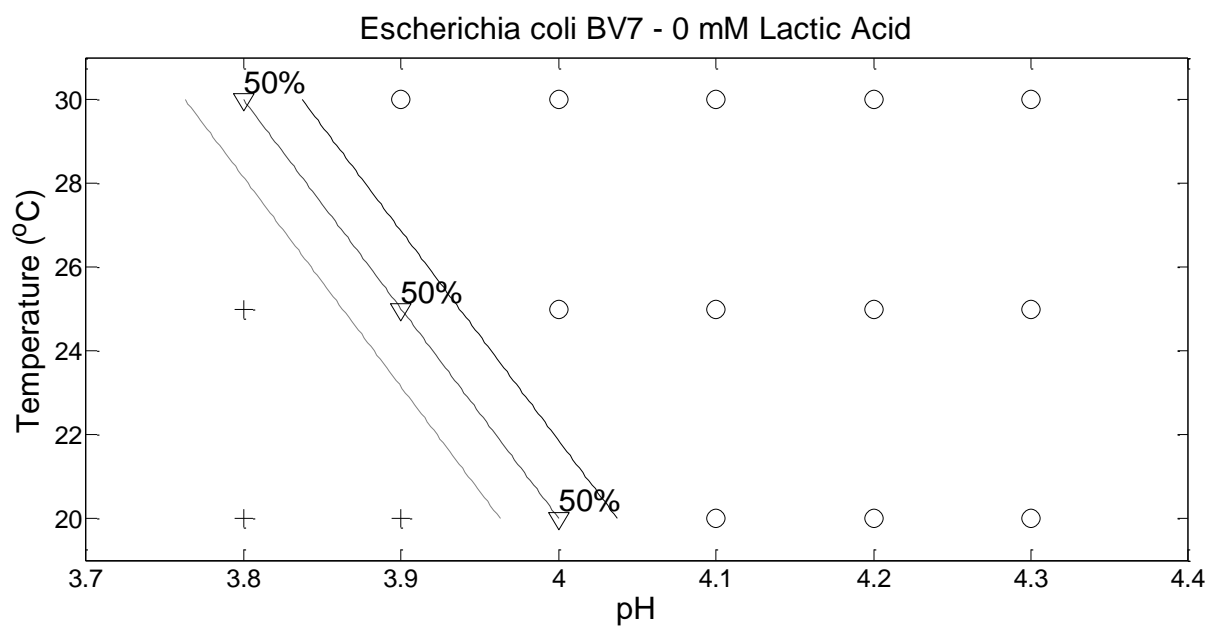
**144. *E.coli* BV7 - isolated from human feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-260.06	89.04	-2.92	0.00	-520.36	-140.41	0.00	0.00	0.00
pH	59.10	20.23	2.92	0.00	31.90	118.25	4.64E+25	7.15E+13	2.26E+51
LA	-0.76	0.34	-2.24	0.03	-1.63	-0.21	0.47	0.20	0.81
Temp	1.18	0.43	2.78	0.01	0.57	2.39	3.26	1.77	10.90
LA:Temp	-0.02	0.01	-2.00	0.05	-0.05	0.00	0.98	0.95	1.00

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	178.87	
pH	1	13.61	142	165.26	0.00
LA	1	100.83	141	64.43	0.00
Temp	1	28.03	140	36.40	0.00
LA:Temp	1	5.60	139	30.80	0.02

<b>AIC</b>	40.80
<b>Likelihood Ratio</b>	5.26E-31
<b>Log-Likelihood</b>	-15.40





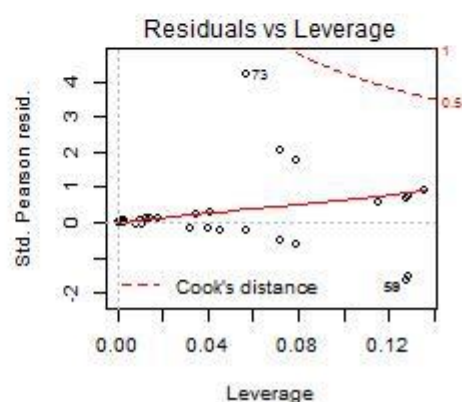
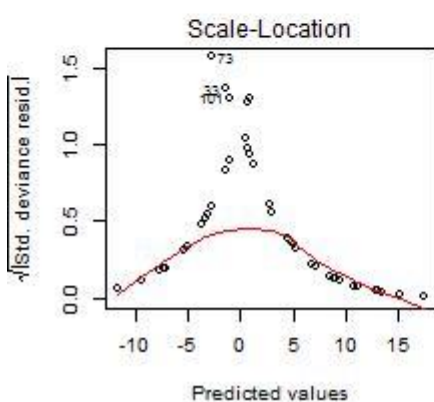
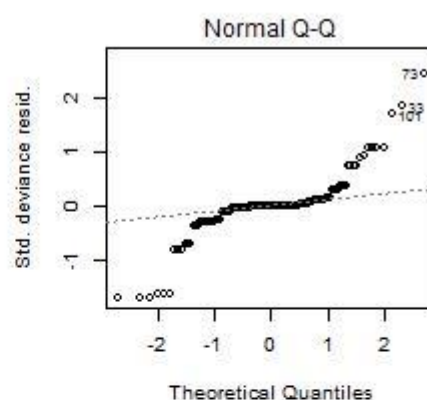
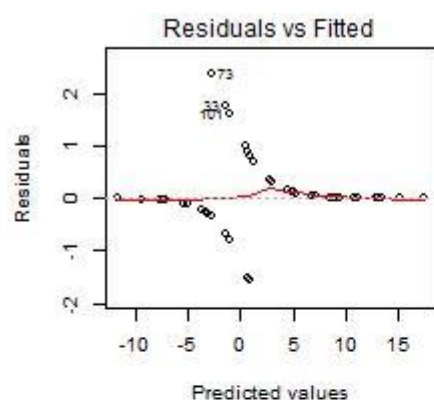


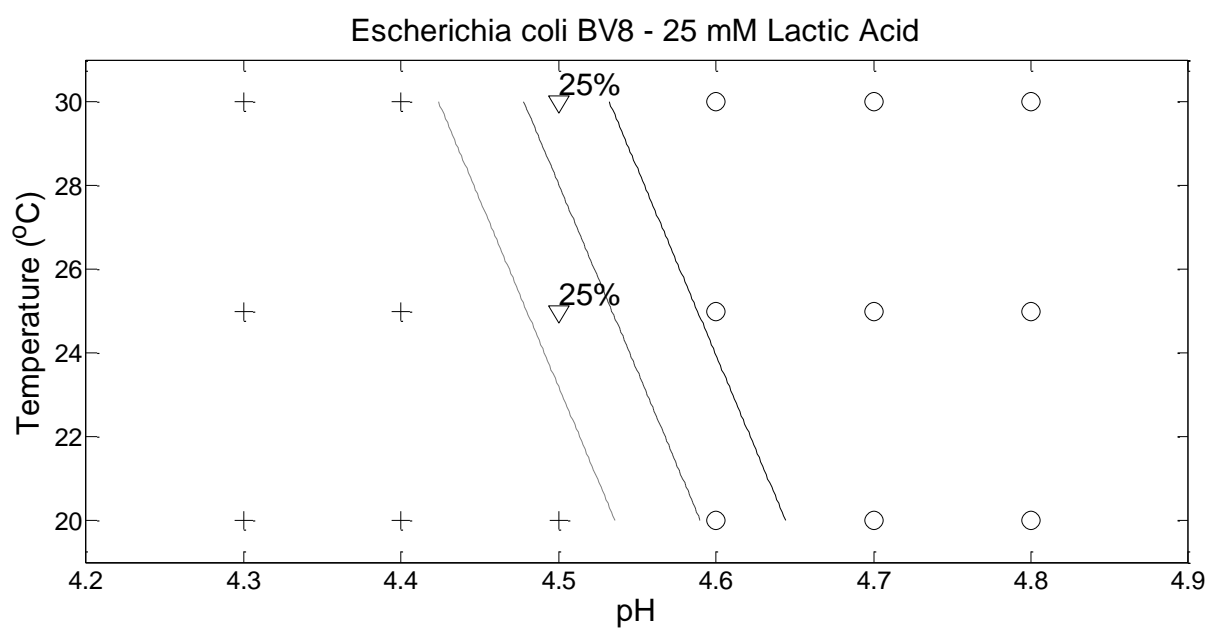
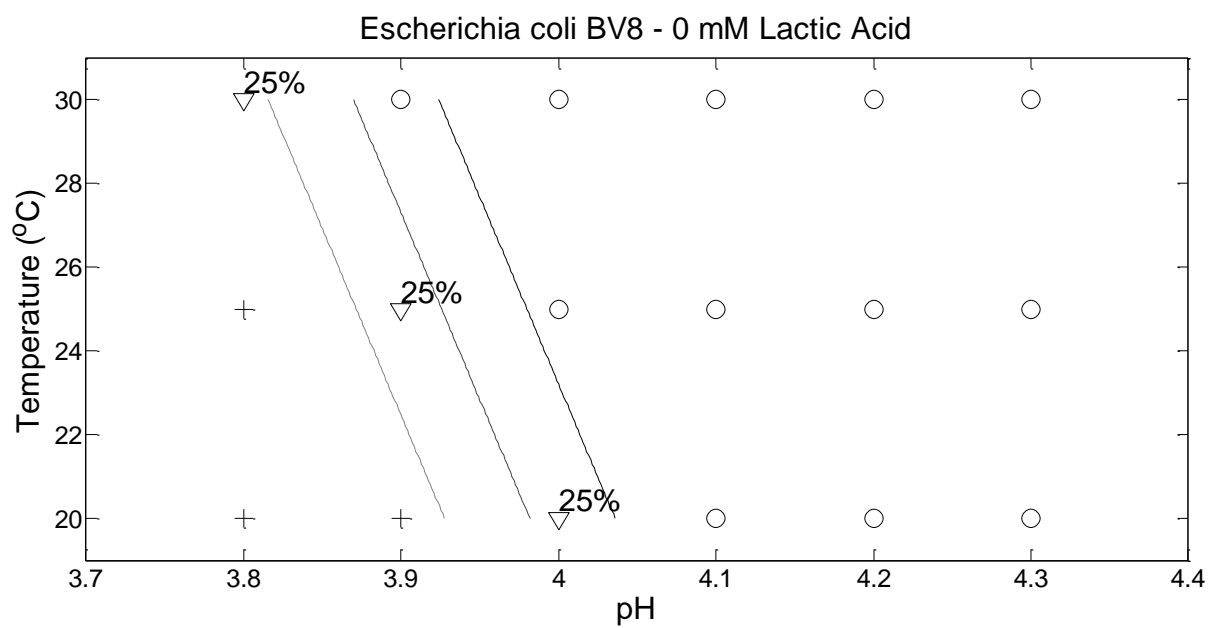
**145. *E.coli* BV8 - isolated from dog feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-170.51	39.40	-4.33	0.00	-267.48	-108.64	0.00	0.00	0.00
pH	40.54	9.35	4.33	0.00	25.86	63.59	4.05E+17	1.70E+11	4.14E+27
LA	-0.99	0.23	-4.29	0.00	-1.55	-0.63	0.37	0.21	0.54
Temp	0.45	0.14	3.19	0.00	0.21	0.78	1.58	1.23	2.18

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	191.52	
pH	1	11.89	142	179.63	0.00
LA	1	123.70	141	55.93	0.00
Temp	1	16.84	140	39.09	0.00

<b>AIC</b>	47.09
<b>Likelihood Ratio</b>	7.87E-33
<b>Log-Likelihood</b>	-19.55



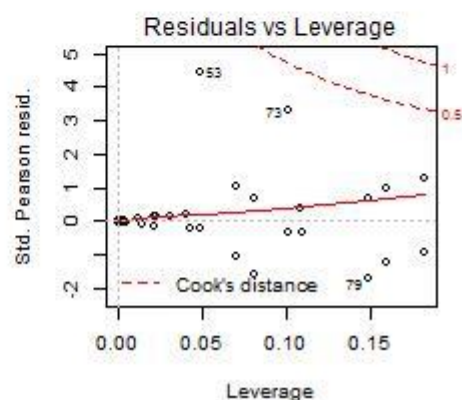
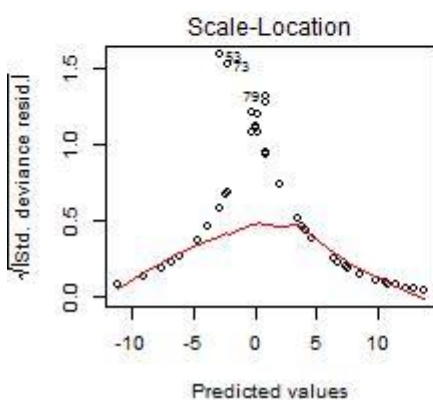
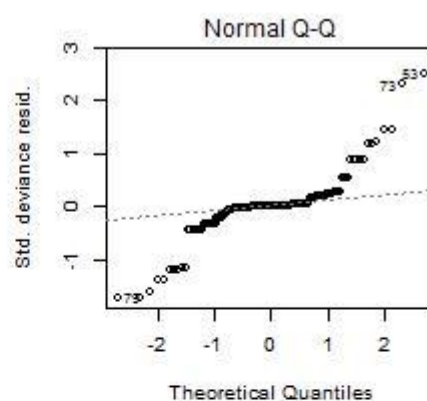
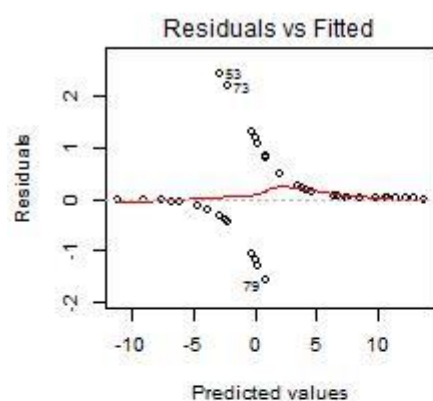


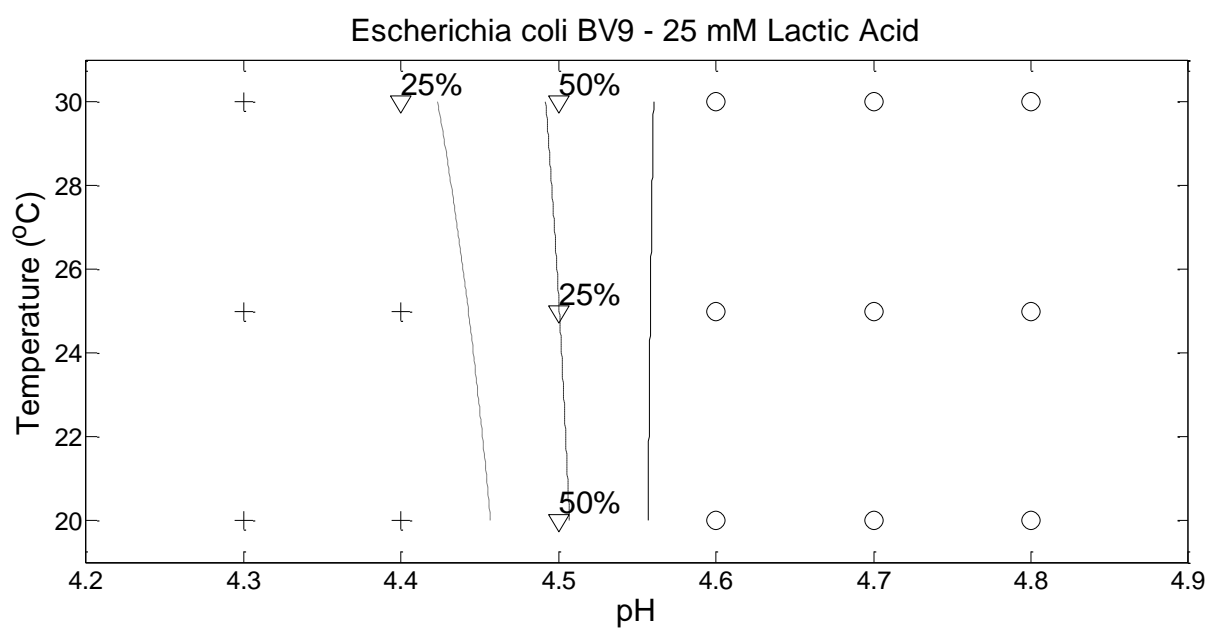
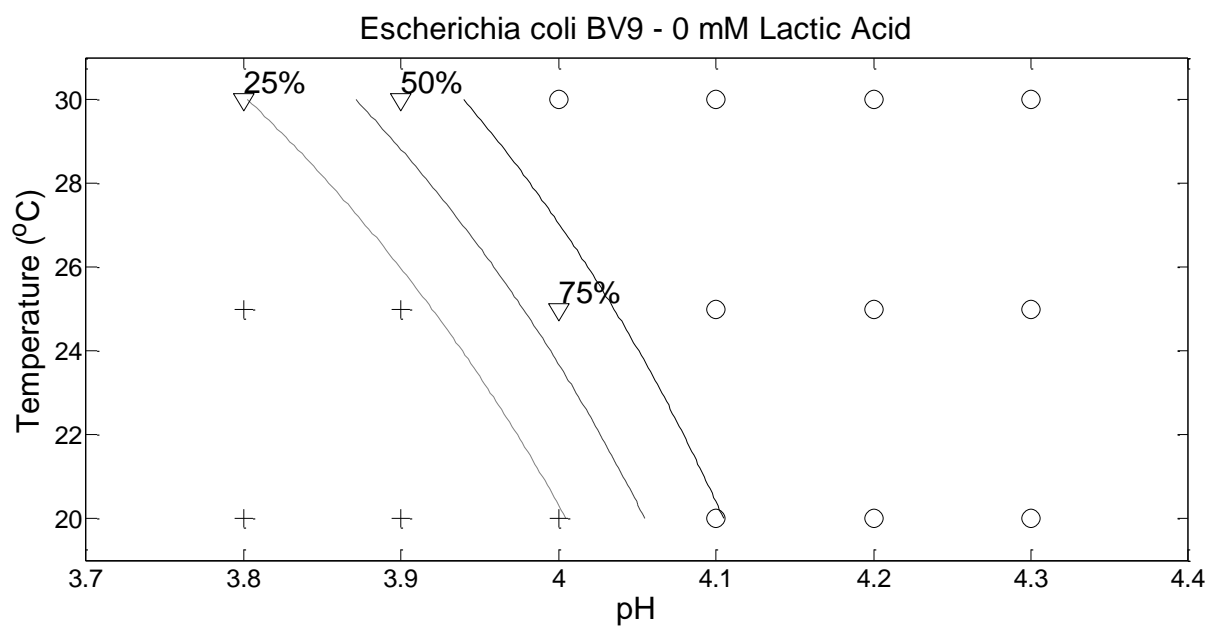
**146. *E.coli* BV9 - isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-287.16	77.97	-3.68	0.00	-483.44	-162.68	0.00	0.00	0.00
pH	67.92	18.38	3.70	0.00	38.53	114.04	3.13E+29	5.43E+16	3.37E+49
LA	-0.80	0.18	-4.37	0.00	-1.25	-0.51	0.45	0.29	0.60
Temp	5.44	2.02	2.69	0.01	2.01	10.29	229.89	7.48	29298.19
pH:Temp	-1.20	0.46	-2.59	0.01	-2.29	-0.40	0.30	0.10	0.67

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	192.46	
pH	1	24.46	142	168.00	0.00
LA	1	104.81	141	63.19	0.00
Temp	1	10.88	140	52.31	0.00
pH:Temp	1	9.79	139	42.51	0.00

<b>AIC</b>	52.51
<b>Likelihood Ratio</b>	2.09E-31
<b>Log-Likelihood</b>	-21.26



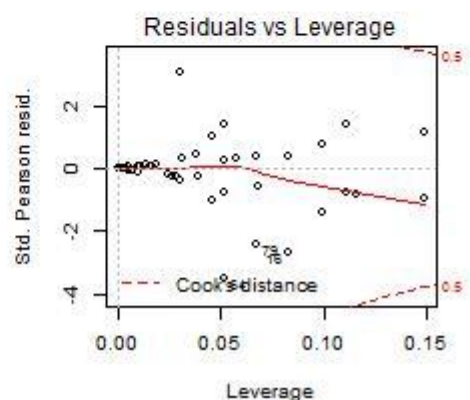
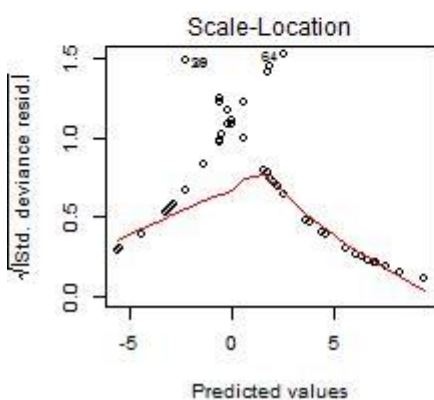
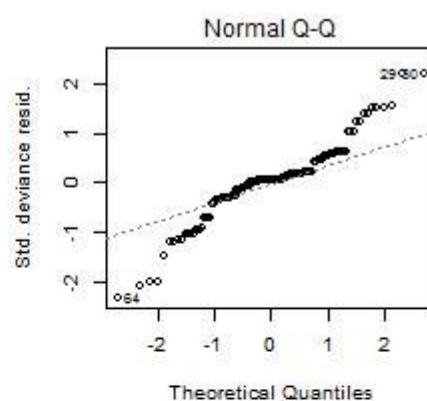
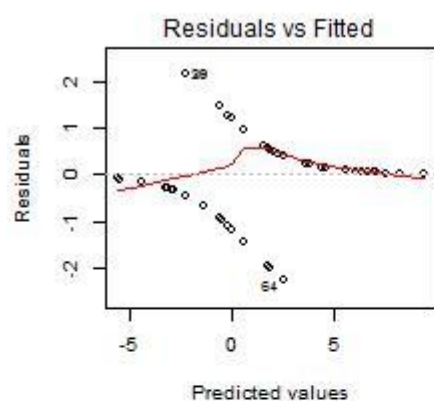


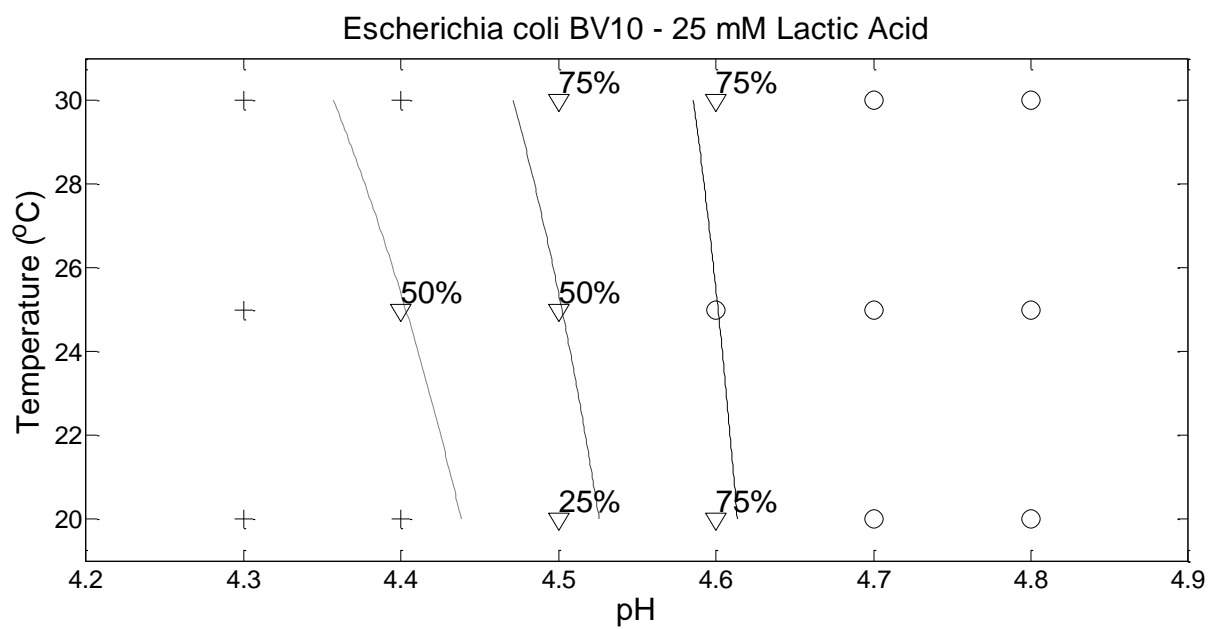
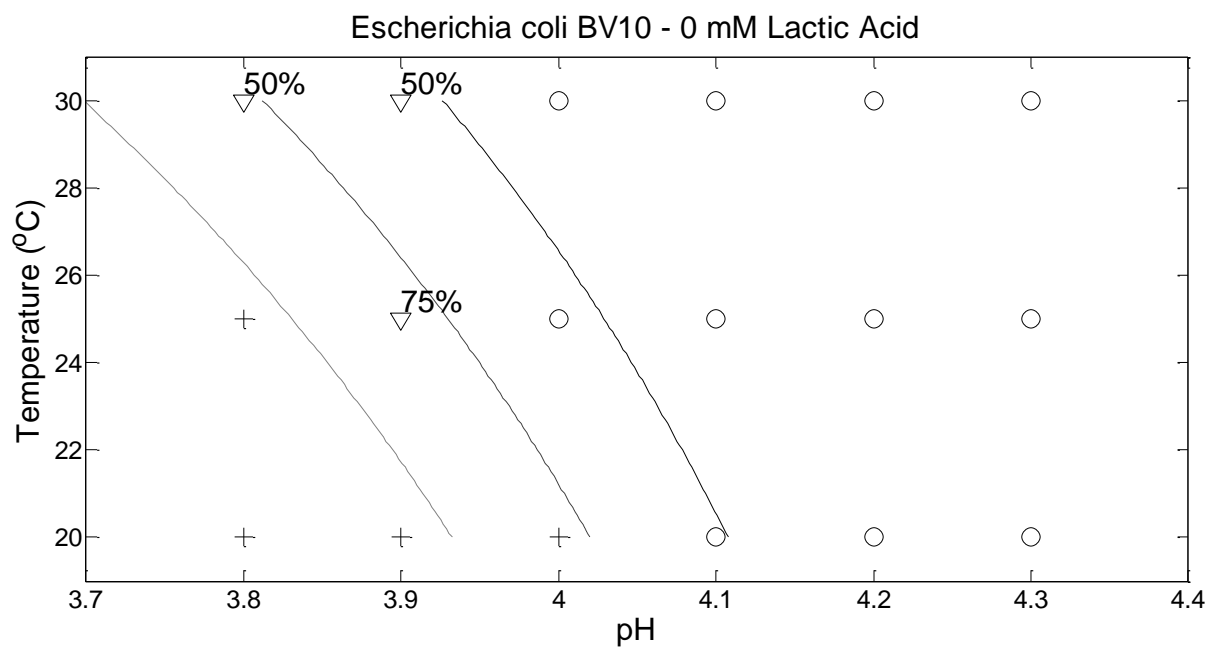
**147. *E.coli* BV10 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-155.70	38.32	-4.06	0.00	-240.84	-88.67	0.00	0.00	0.00
pH	36.74	9.05	4.06	0.00	20.92	56.86	9.05E+15	1.22E+09	4.92E+24
LA	-0.51	0.09	-5.34	0.00	-0.73	-0.35	0.60	0.48	0.71
Temp	2.75	1.18	2.33	0.02	0.56	5.24	15.58	1.75	189.26
pH:Temp	-0.58	0.27	-2.13	0.03	-1.16	-0.07	0.56	0.31	0.93

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	187.20	
pH	1	13.16	142	174.04	0.00
LA	1	88.99	141	85.04	0.00
Temp	1	12.25	140	72.79	0.00
pH:Temp	1	5.03	139	67.76	0.02

<b>AIC</b>	77.76
<b>Likelihood Ratio</b>	7.05E-25
<b>Log-Likelihood</b>	-33.88



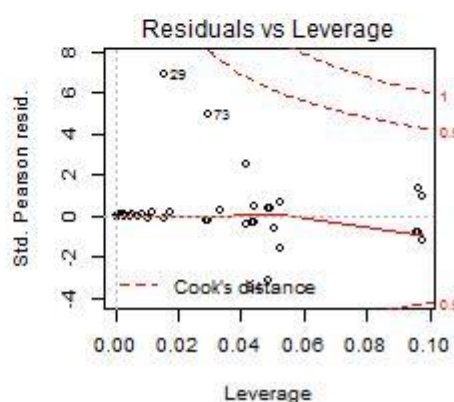
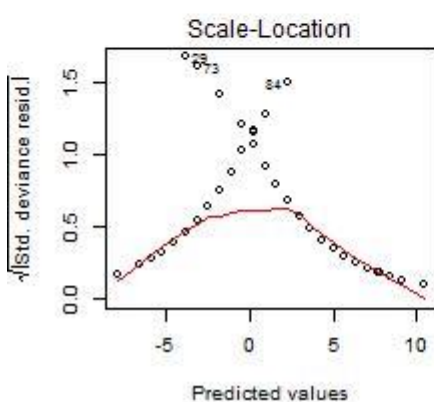
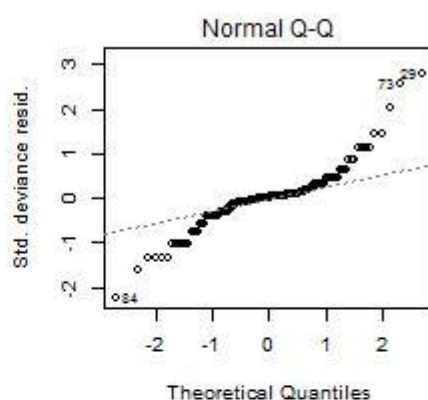
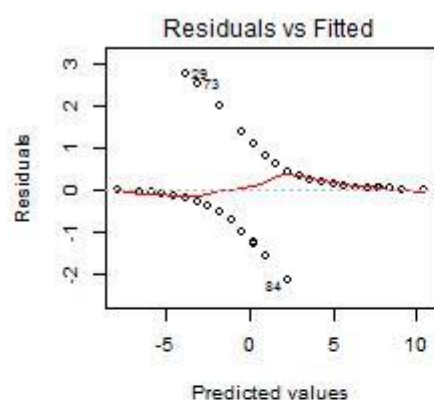


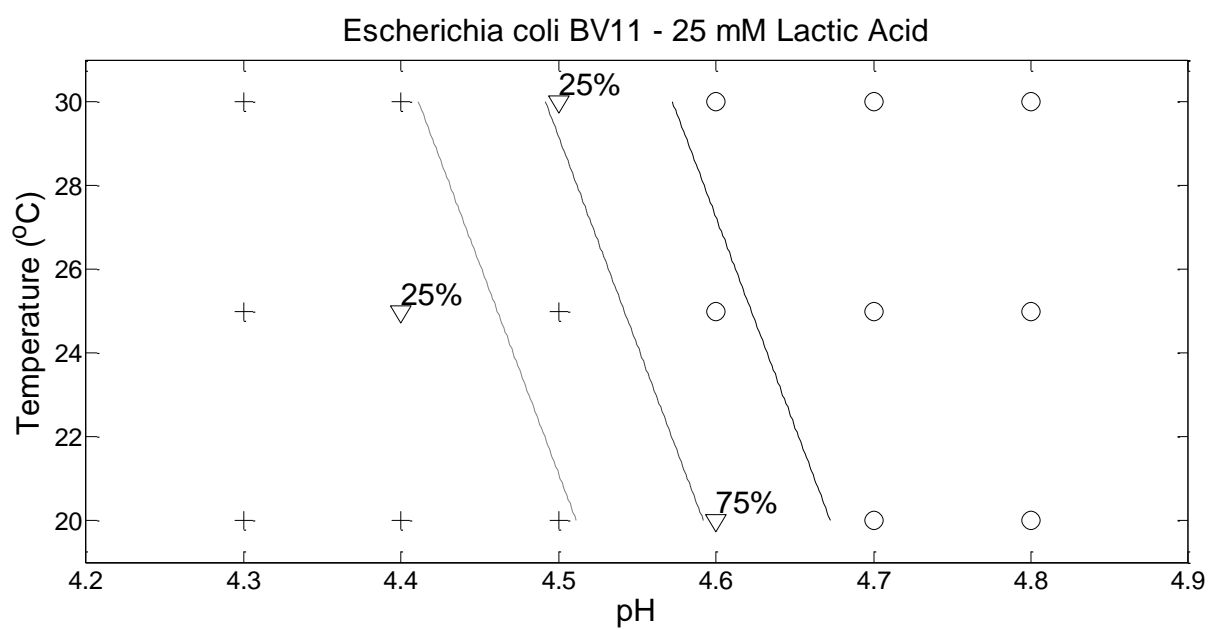
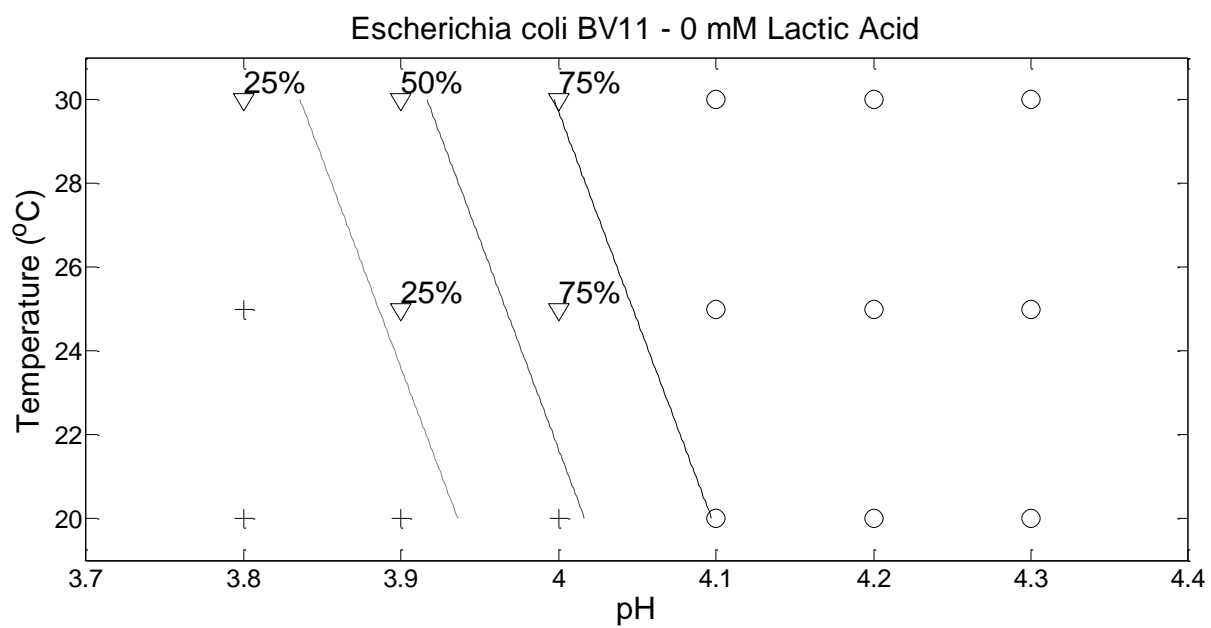
**148. *E.coli* BV11 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-114.88	21.90	-5.25	0.00	-166.42	-78.84	0.00	0.00	0.00
pH	27.24	5.17	5.27	0.00	18.74	39.43	6.79E+11	1.37E+08	1.33E+17
LA	-0.63	0.12	-5.14	0.00	-0.91	-0.43	0.53	0.40	0.65
Temp	0.27	0.10	2.82	0.00	0.10	0.48	1.31	1.10	1.62

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.25	
pH	1	17.22	142	179.03	0.00
LA	1	111.22	141	67.81	0.00
Temp	1	10.05	140	57.76	0.00

<b>AIC</b>	65.76
<b>Likelihood Ratio</b>	7.99E-30
<b>Log-Likelihood</b>	-28.88





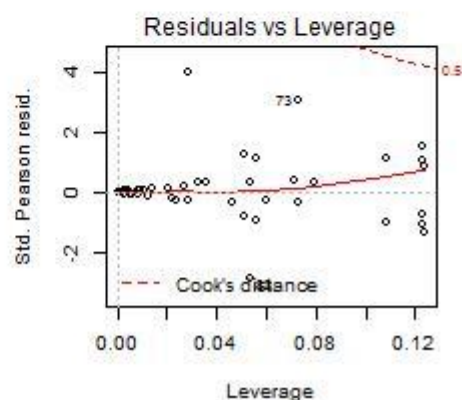
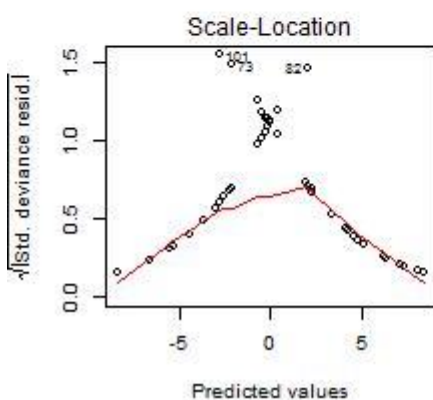
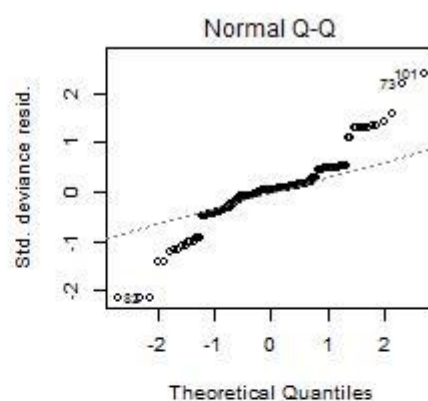
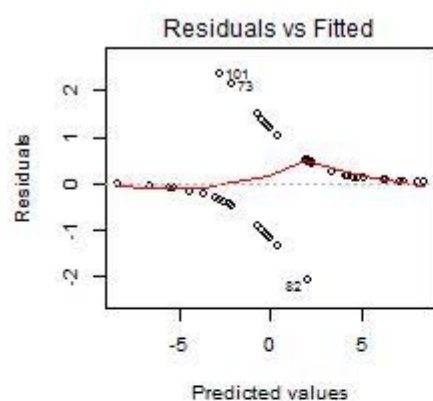


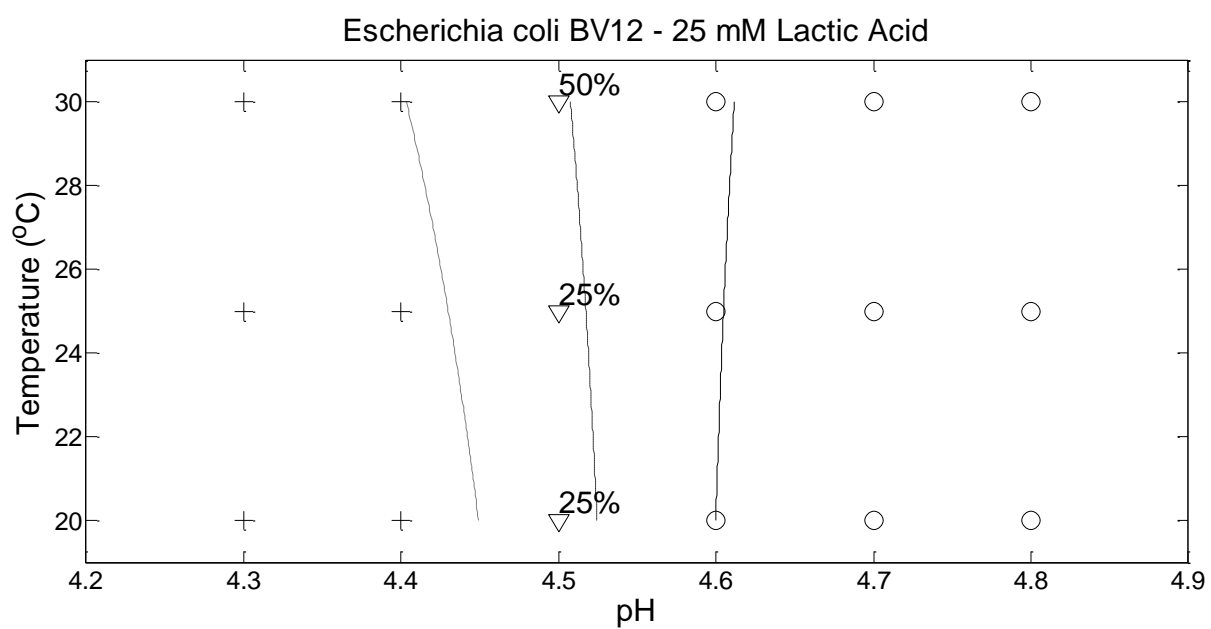
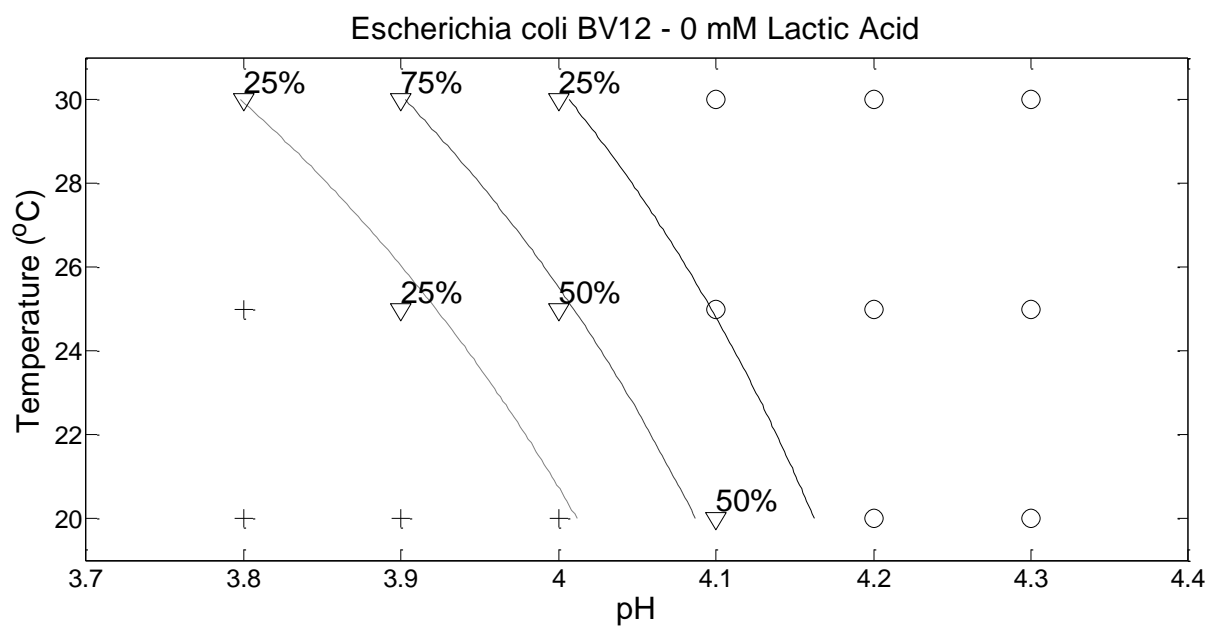
**149. *E.coli* BV12 - isolated from dog feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-193.01	48.48	-3.98	0.00	-303.58	-110.05	0.00	0.00	0.00
pH	45.32	11.36	3.99	0.00	25.88	71.26	4.82E+19	1.74E+11	8.86E+30
LA	-0.51	0.10	-5.26	0.00	-0.74	-0.35	0.60	0.48	0.71
Temp	3.69	1.44	2.56	0.01	1.08	6.83	40.04	2.94	922.37
pH:Temp	-0.81	0.33	-2.42	0.02	-1.53	-0.20	0.45	0.22	0.82

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.84	
pH	1	26.67	142	170.17	0.00
LA	1	91.50	141	78.66	0.00
Temp	1	8.41	140	70.25	0.00
pH:Temp	1	7.08	139	63.17	0.01

<b>AIC</b>	73.17
<b>Likelihood Ratio</b>	6.39E-28
<b>Log-Likelihood</b>	-31.58



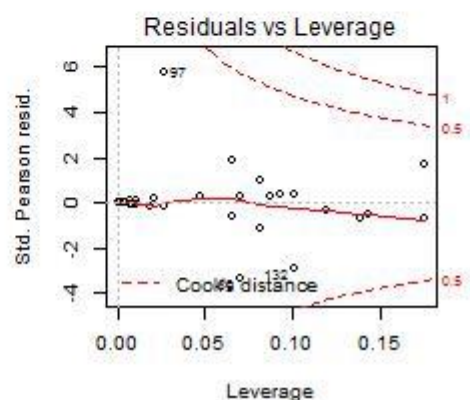
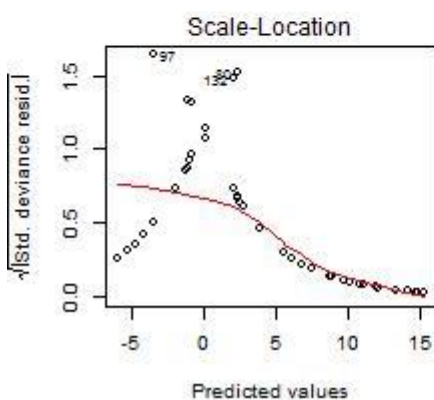
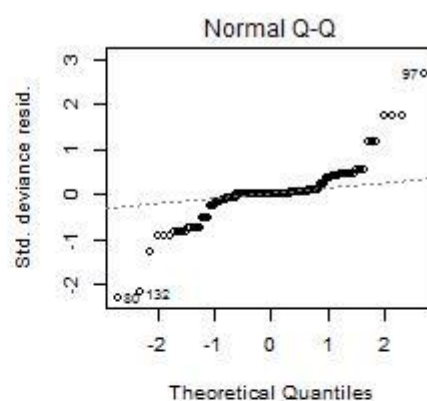
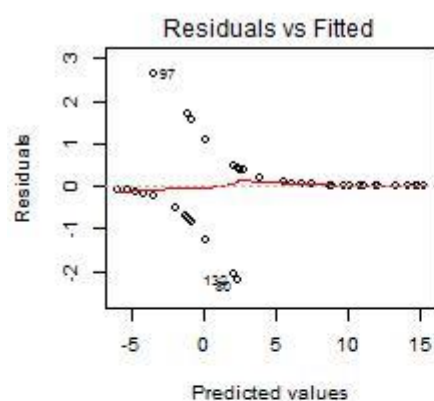


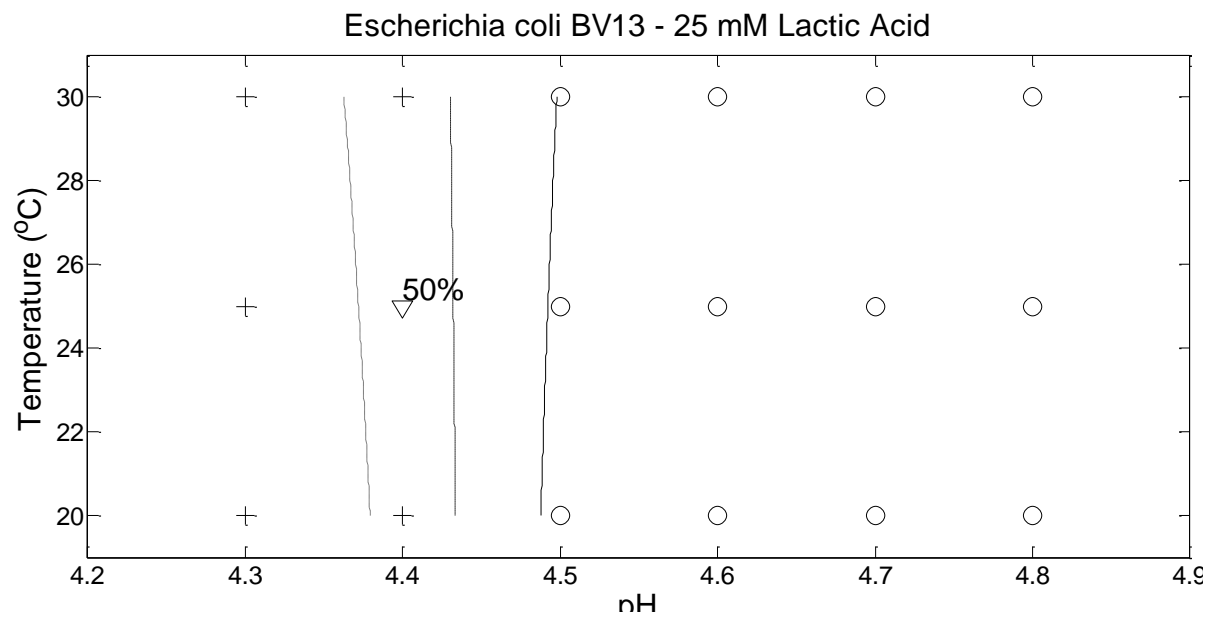
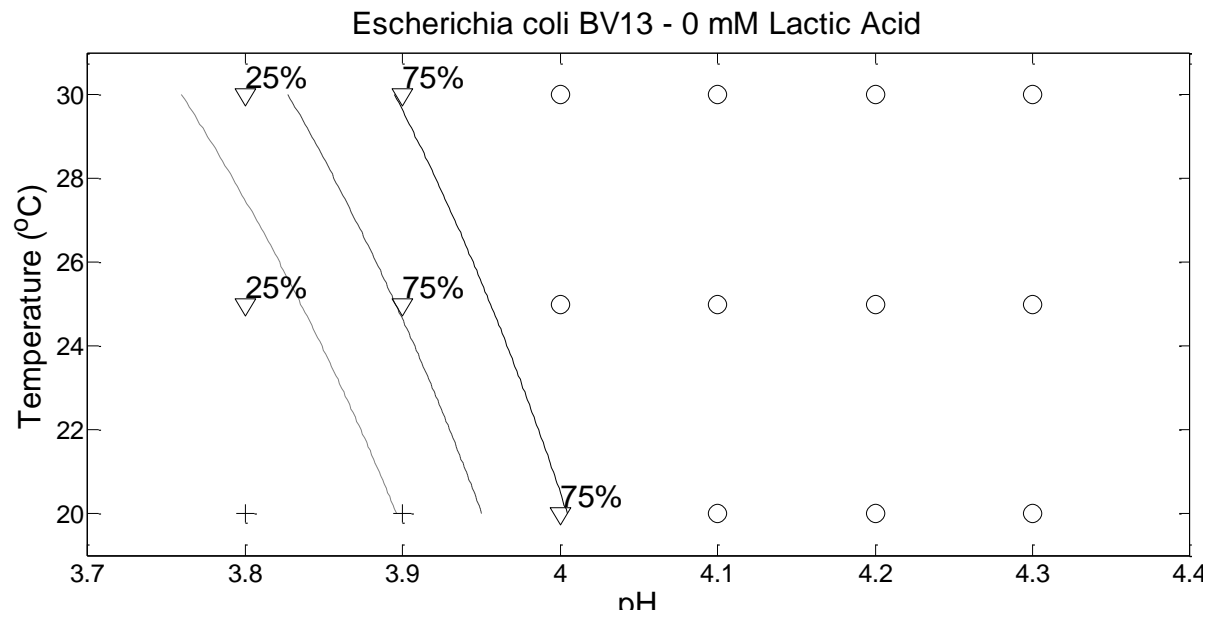
**150. *E.coli* BV13 - isolated from human feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-231.90	63.73	-3.64	0.00	-387.05	-127.40	0.00	0.00	0.00
pH	56.68	15.46	3.67	0.00	31.35	94.30	4.13E+24	4.13E+13	8.95E+40
LA	-0.78	0.17	-4.58	0.00	-1.19	-0.50	0.46	0.30	0.60
Temp	3.59	1.71	2.10	0.04	0.55	7.50	36.08	1.73	1806.49
pH:Temp	-0.81	0.40	-1.99	0.05	-1.73	-0.08	0.45	0.18	0.92

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	18.18	142	150.04	0.00
LA	1	98.10	141	51.94	0.00
Temp	1	4.93	140	47.01	0.03
pH:Temp	1	4.86	139	42.15	0.03

<b>AIC</b>	52.15
<b>Likelihood Ratio</b>	2.7E-26
<b>Log-Likelihood</b>	-21.08



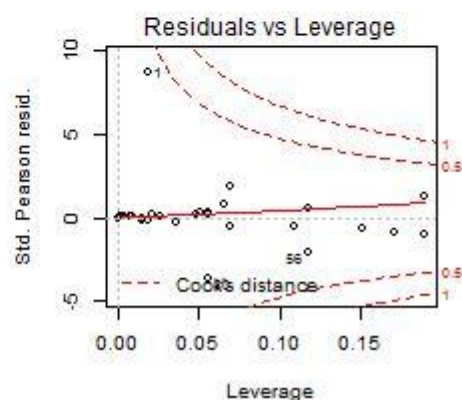
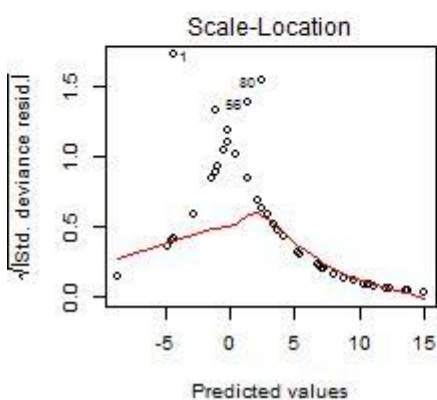
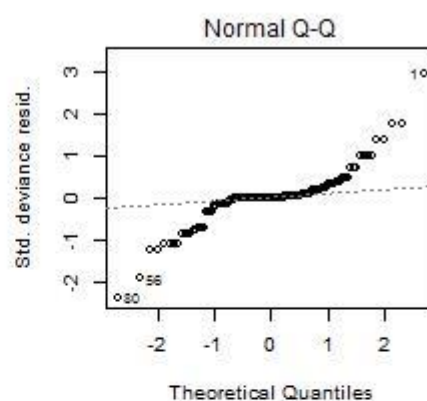
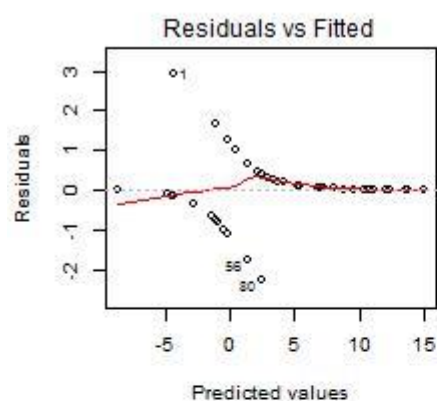


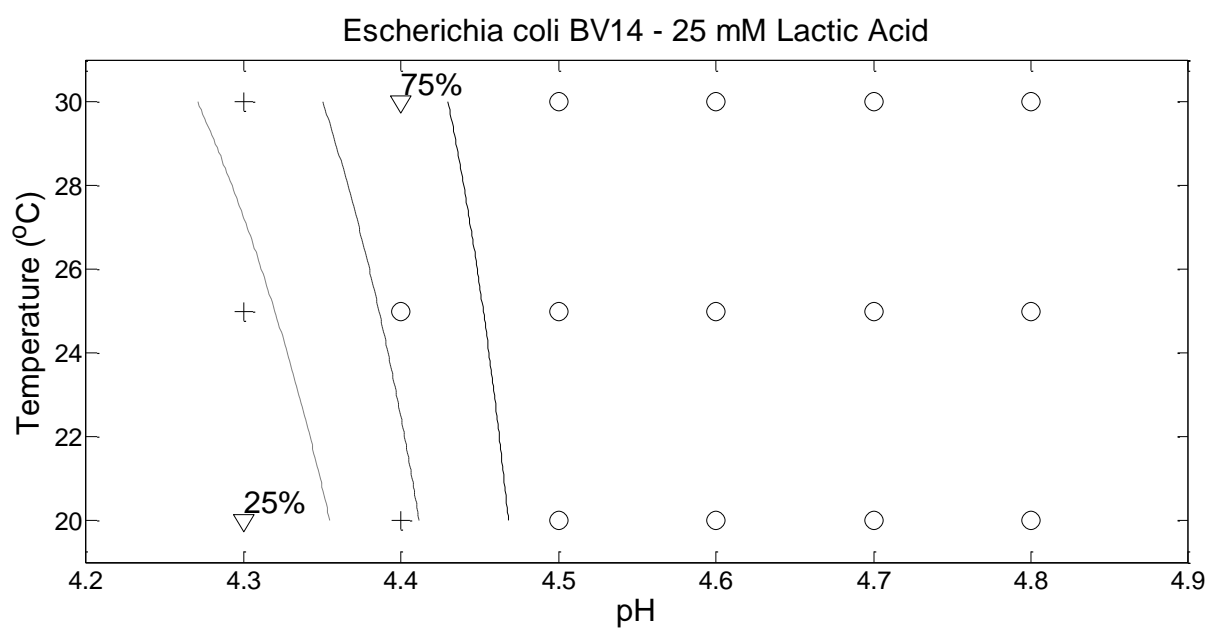
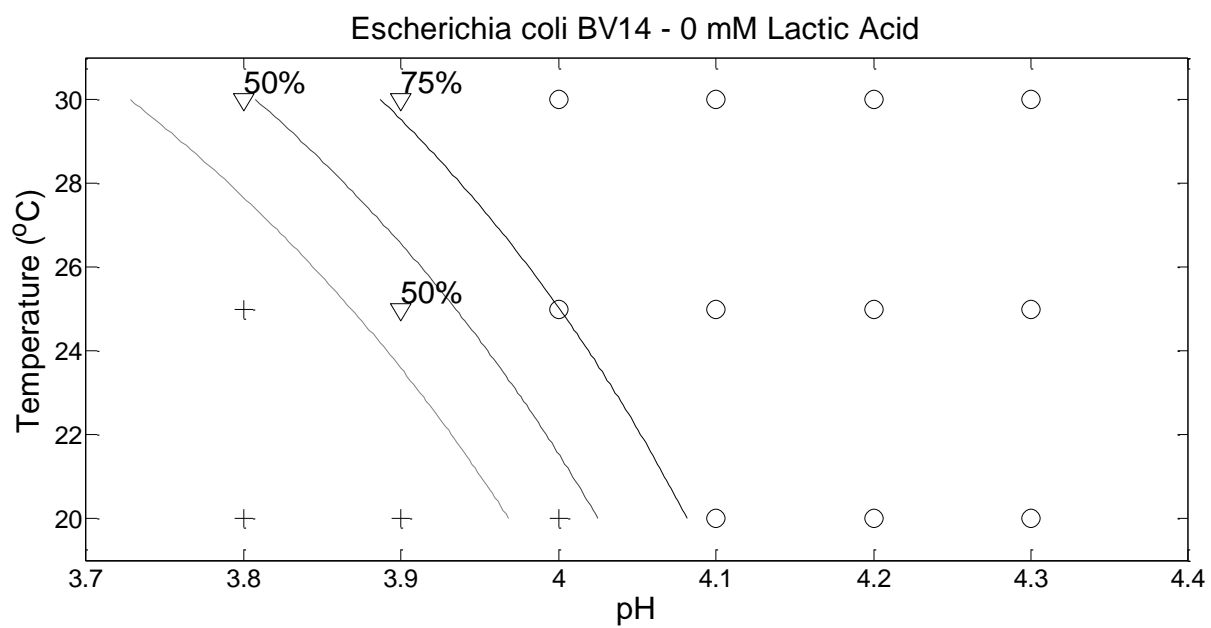
**151. *E.coli* BV14 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-257.89	69.73	-3.70	0.00	-420.81	-141.68	0.00	0.00	0.00
pH	61.09	16.63	3.67	0.00	33.37	99.97	3.40E+26	3.12E+14	2.62E+43
LA	-0.60	0.14	-4.27	0.00	-0.94	-0.37	0.55	0.39	0.69
Temp	5.09	1.93	2.64	0.01	1.66	9.35	1.63E+02	5.24	1.15E+04
pH:Temp	-1.12	0.45	-2.47	0.01	-2.10	-0.31	0.33	0.12	0.74

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	164.11	
pH	1	31.68	142	132.43	0.00
LA	1	60.17	141	72.26	0.00
Temp	1	18.41	140	53.85	0.00
pH:Temp	1	7.68	139	46.17	0.01

<b>AIC</b>	56.17
<b>Likelihood Ratio</b>	1.47E-24
<b>Log-Likelihood</b>	-23.08



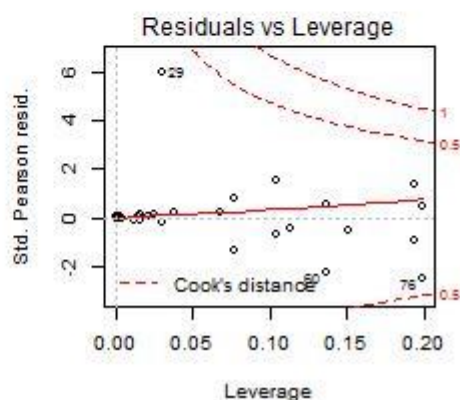
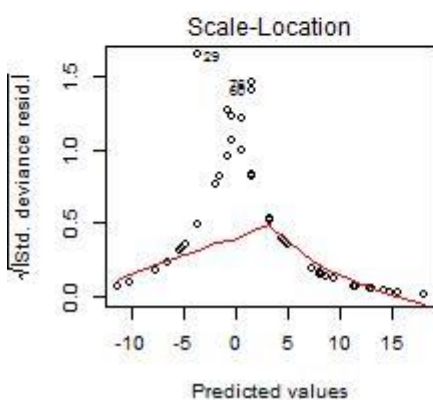
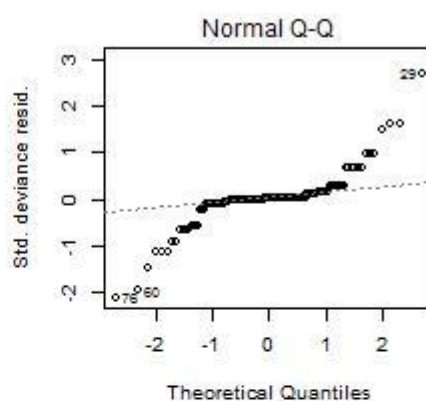
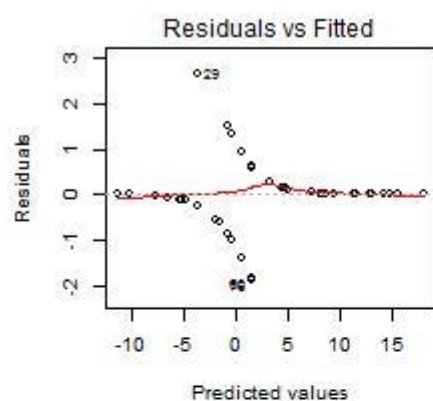


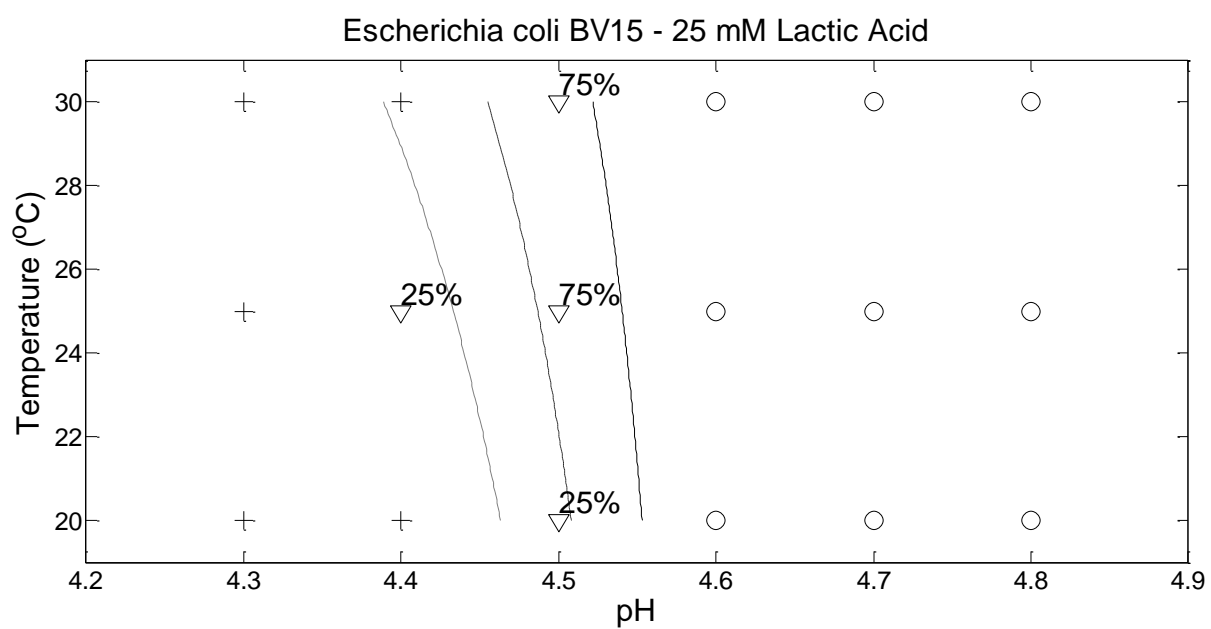
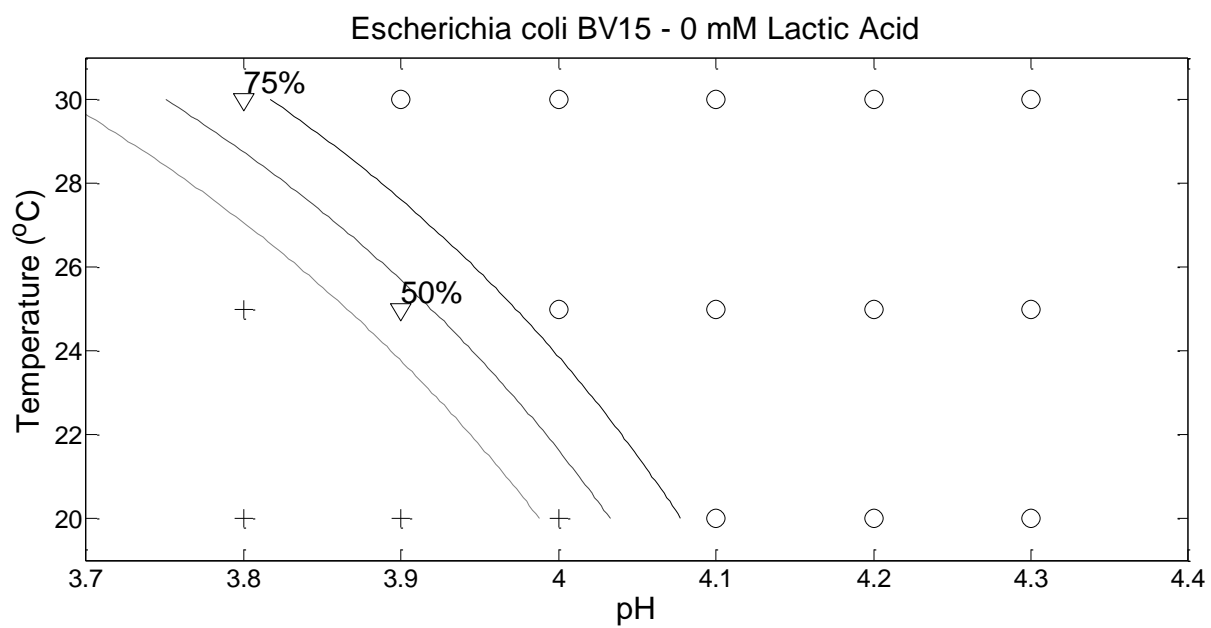
152. *E.coli* BV15 - isolated from bird feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-344.34	88.63	-3.89	0.00	-566.72	-203.12	0.00	0.00	0.00
pH	80.77	20.91	3.86	0.00	47.50	133.47	1.19E+35	4.27E+20	9.23E+57
LA	-0.93	0.24	-3.86	0.00	-1.58	-0.57	0.39	0.21	0.57
Temp	7.35	2.22	3.31	0.00	3.62	12.63	1.56E+03	37.15	3.07E+05
pH:Temp	-1.59	0.50	-3.17	0.00	-2.78	-0.74	0.20	0.06	0.48

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	12.83	142	169.07	0.00
LA	1	91.00	141	78.06	0.00
Temp	1	24.99	140	53.08	0.00
pH:Temp	1	16.93	139	36.14	0.00

<b>AIC</b>	46.14
<b>Likelihood Ratio</b>	1.65E-30
<b>Log-Likelihood</b>	-18.07





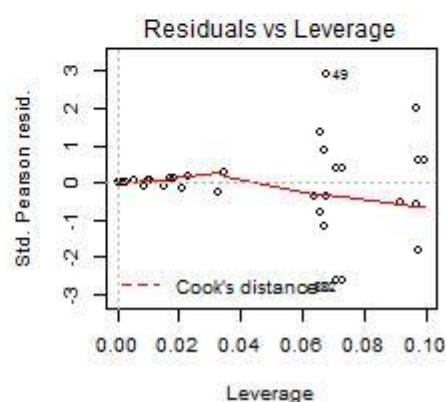
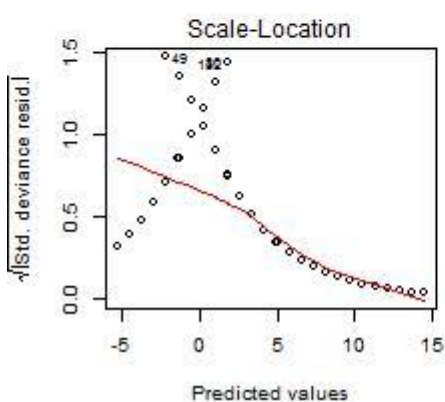
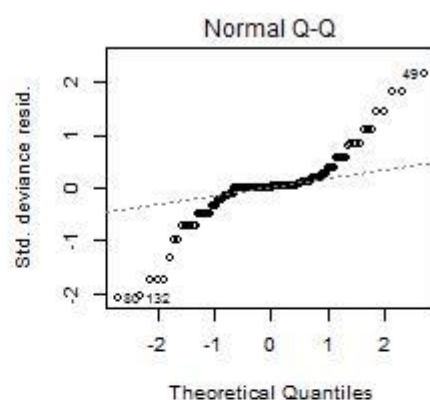
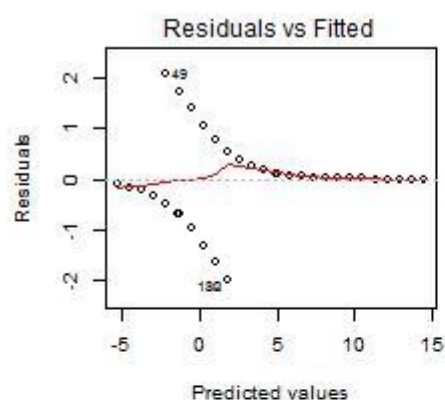


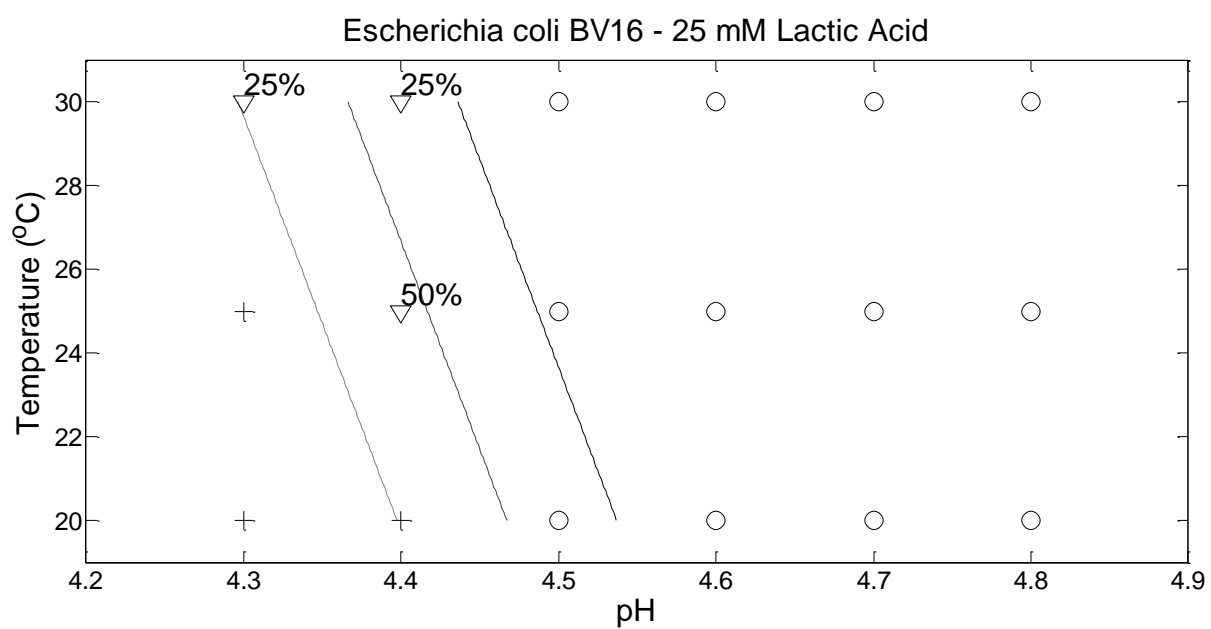
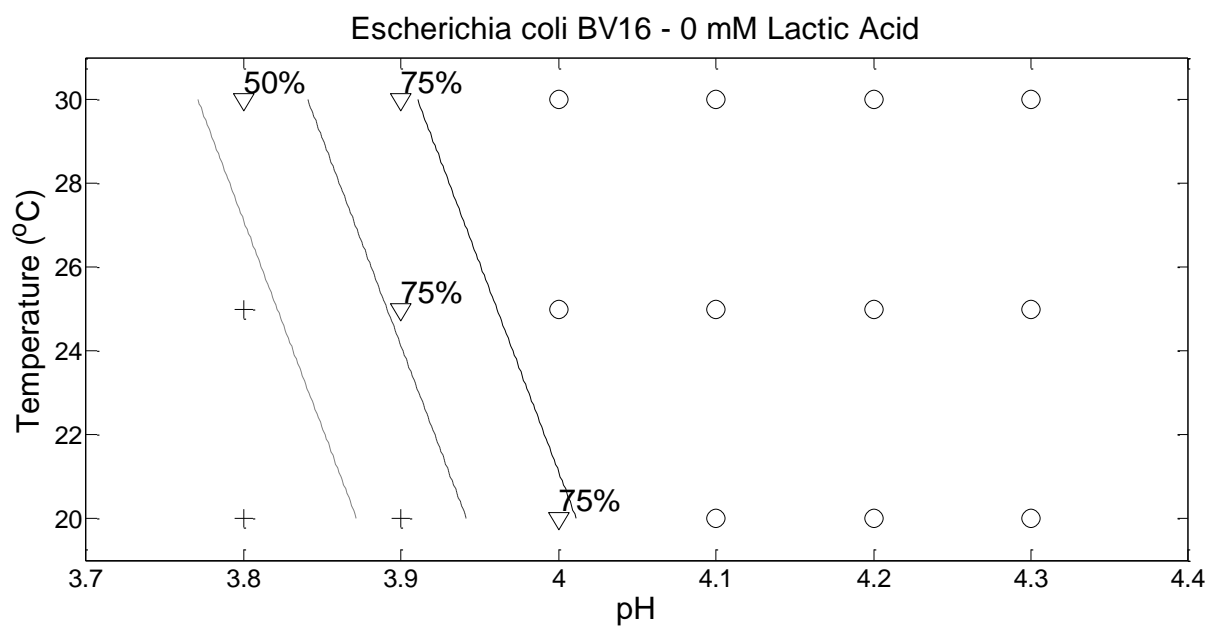
**153. *E.coli* BV16 isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-130.49	27.22	-4.79	0.00	-194.06	-85.73	0.00	0.00	0.00
pH	31.50	6.56	4.80	0.00	20.70	46.80	4.77E+13	9.80E+08	2.12E+20
LA	-0.66	0.14	-4.69	0.00	-0.99	-0.43	0.52	0.37	0.65
Temp	0.32	0.11	2.87	0.00	0.12	0.57	1.37	1.13	1.77

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	164.11	
pH	1	19.49	142	144.62	0.00
LA	1	84.45	141	60.17	0.00
Temp	1	11.35	140	48.82	0.00

<b>AIC</b>	56.82
<b>Likelihood Ratio</b>	7.95E-25
<b>Log-Likelihood</b>	-24.41



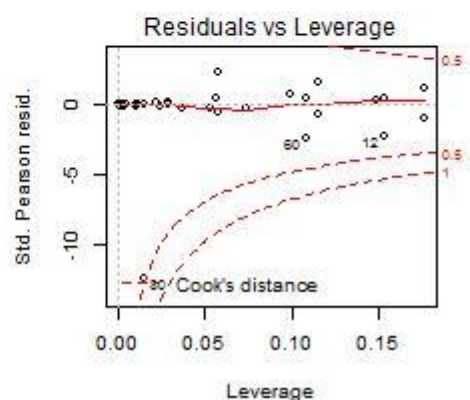
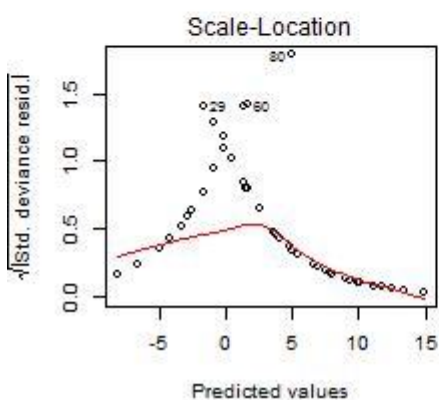
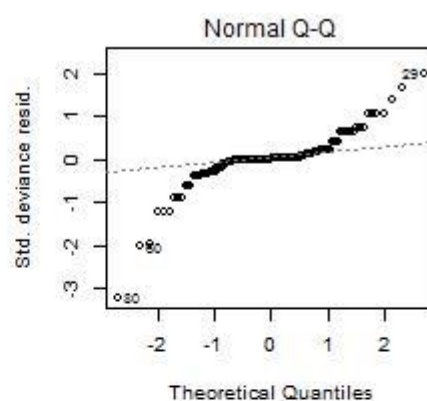
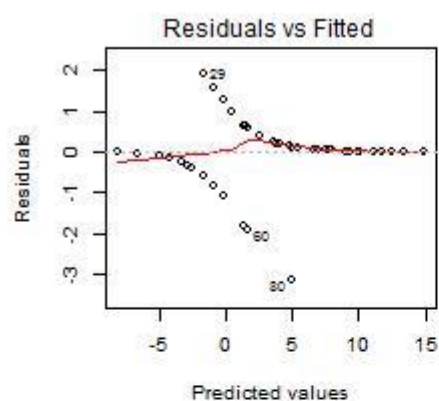


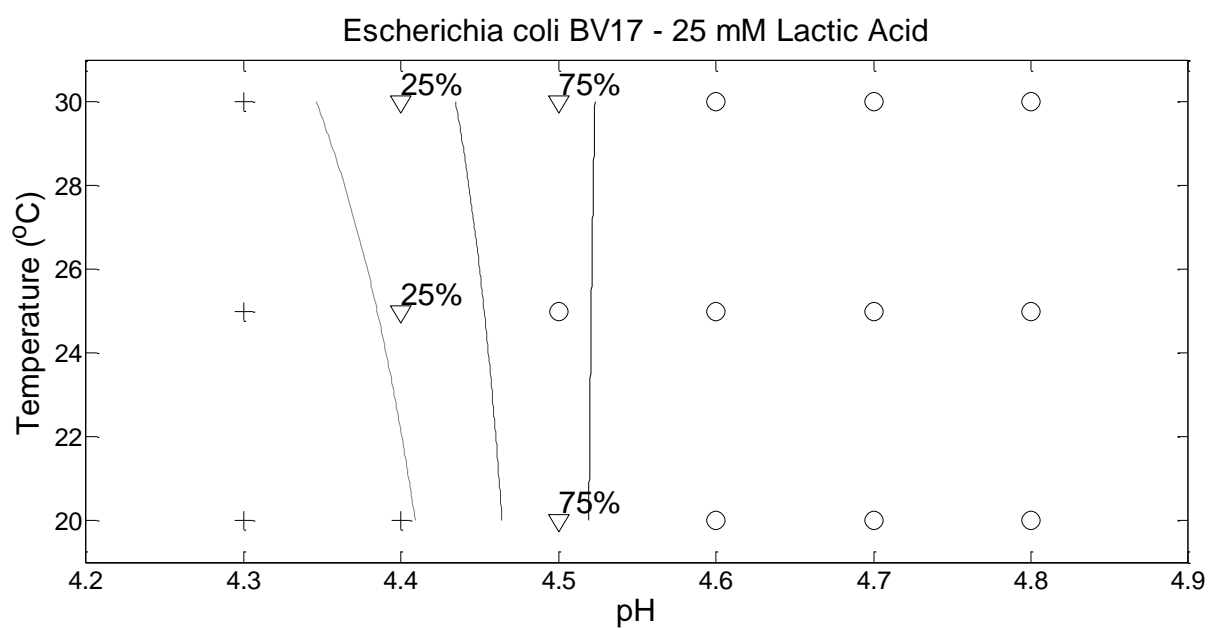
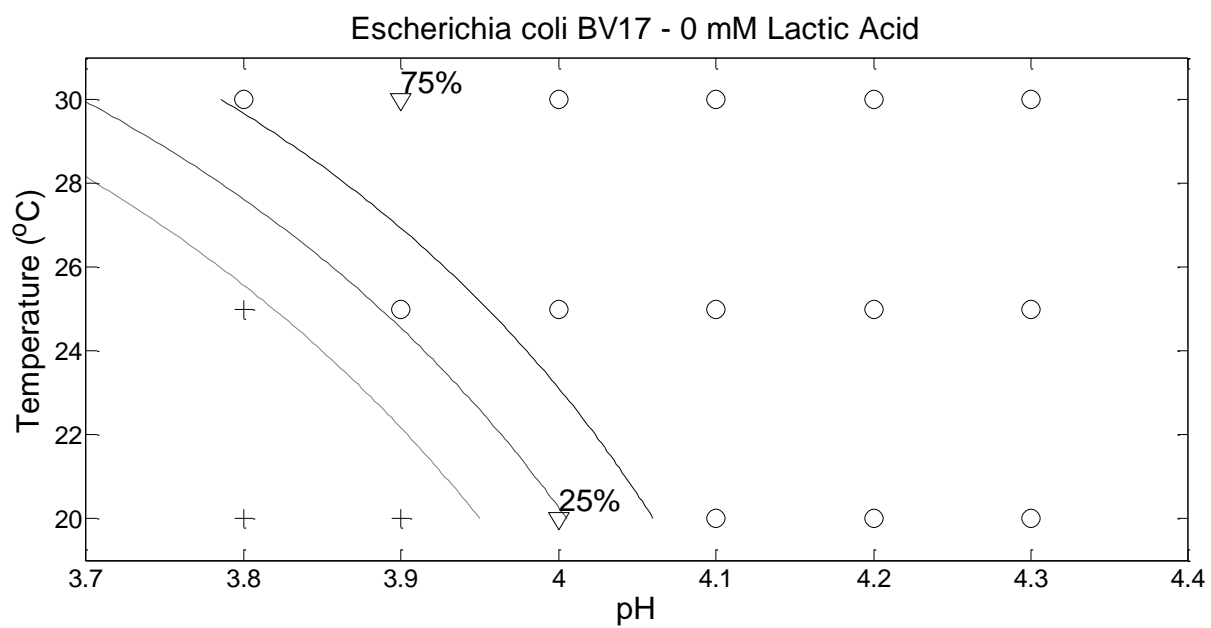
**154. *E.coli* BV17 - isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-295.31	71.60	-4.12	0.00	-464.15	-177.15	0.00	0.00	0.00
pH	69.92	16.93	4.13	0.00	41.96	109.80	2.33E+30	1.66E+18	4.84E+47
LA	-0.73	0.16	-4.48	0.00	-1.13	-0.47	0.48	0.32	0.62
Temp	6.79	2.12	3.21	0.00	3.26	11.85	885.30	25.96	1.40E+05
pH:Temp	-1.50	0.49	-3.10	0.00	-2.66	-0.69	0.22	0.07	0.50

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	170.16	
pH	1	11.82	142	158.34	0.00
LA	1	82.47	141	75.87	0.00
Temp	1	17.27	140	58.60	0.00
pH:Temp	1	16.35	139	42.25	0.00

<b>AIC</b>	52.25
<b>Likelihood Ratio</b>	1.09E-26
<b>Log-Likelihood</b>	-21.12



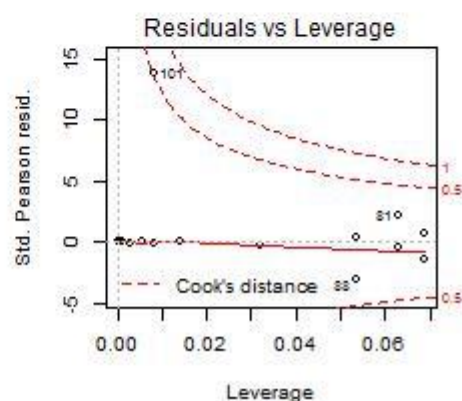
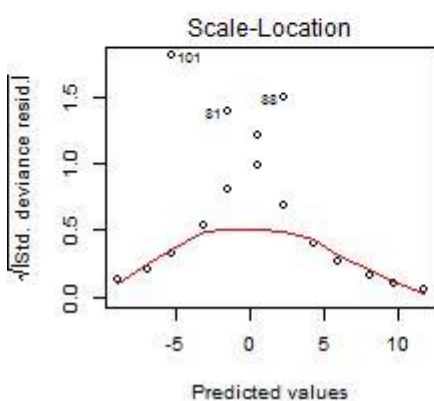
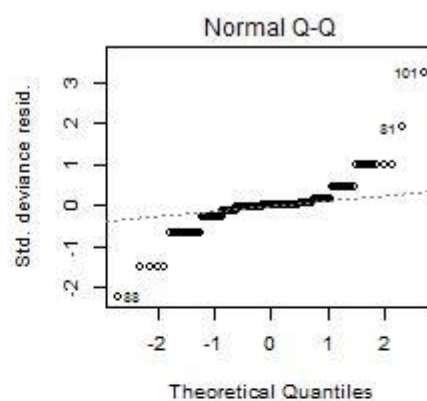
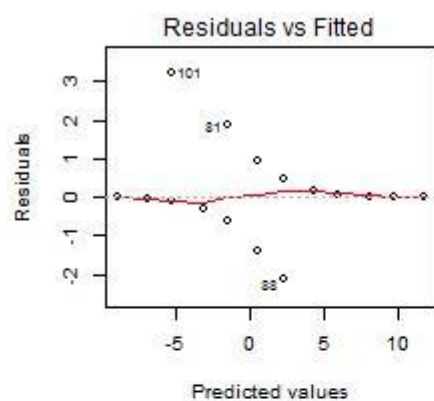


155. *E.coli* BV18 isolated from rabbit feces

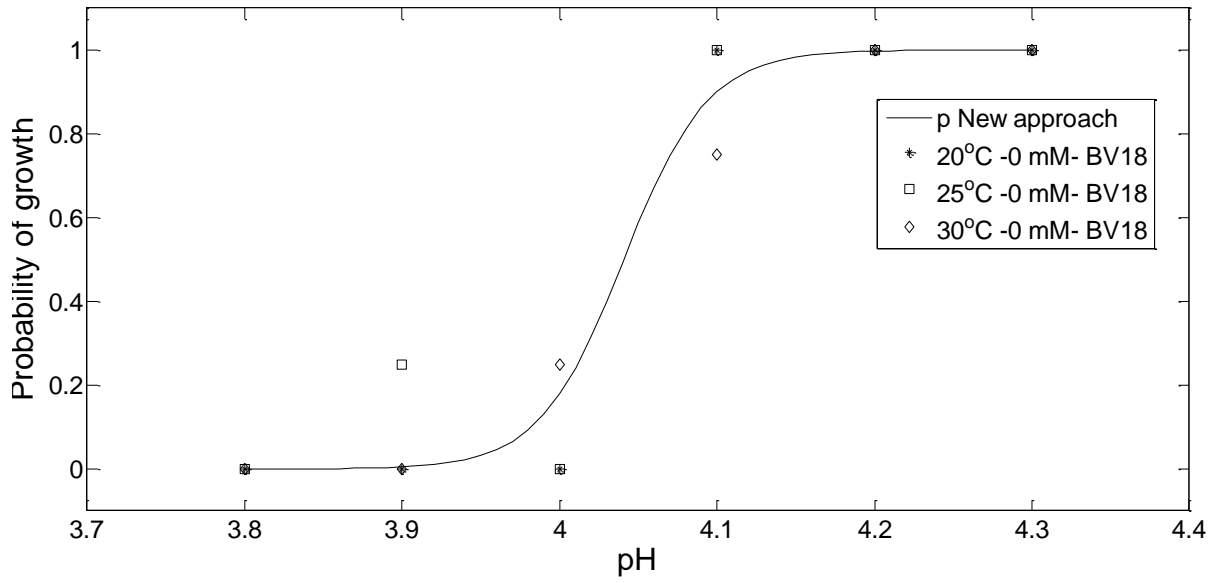
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-150.68	32.51	-4.64	0.00	-230.16	-98.86	0.00	0.00	0.00
pH	37.29	8.05	4.63	0.00	24.46	57.01	1.56E+16	4.21E+10	5.76E+24
LA	-0.66	0.15	-4.43	0.00	-1.04	-0.43	0.52	0.35	0.65

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	197.37	
pH	1	49.21	142	148.16	0.00
LA	1	106.10	141	42.07	0.00

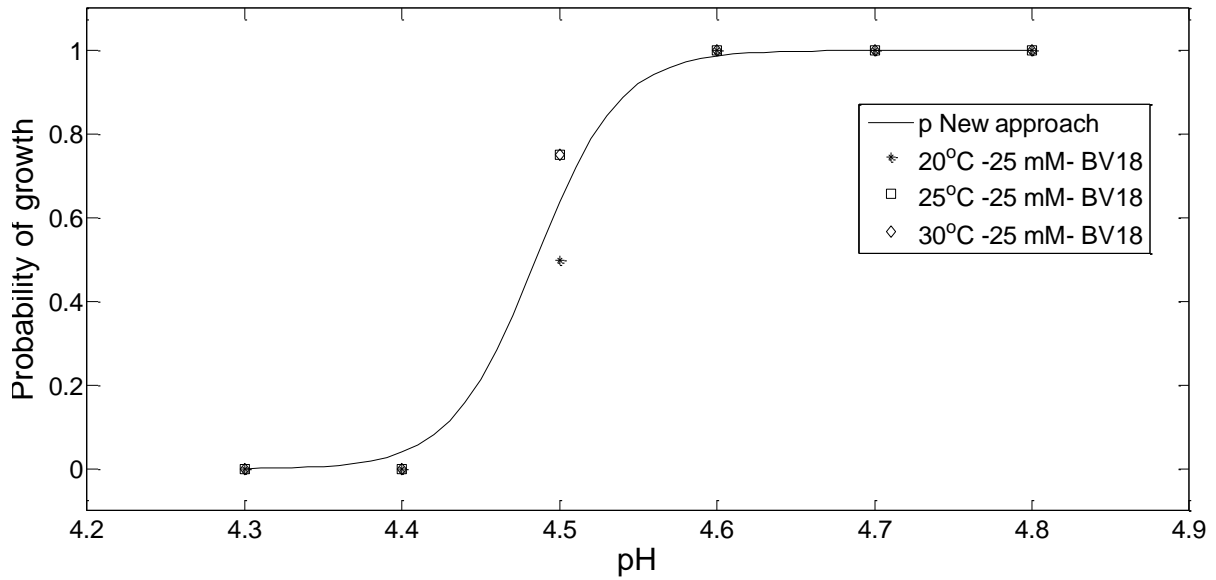
<b>AIC</b>	48.07
<b>Likelihood Ratio</b>	1.89E-34
<b>Log-Likelihood</b>	-21.03

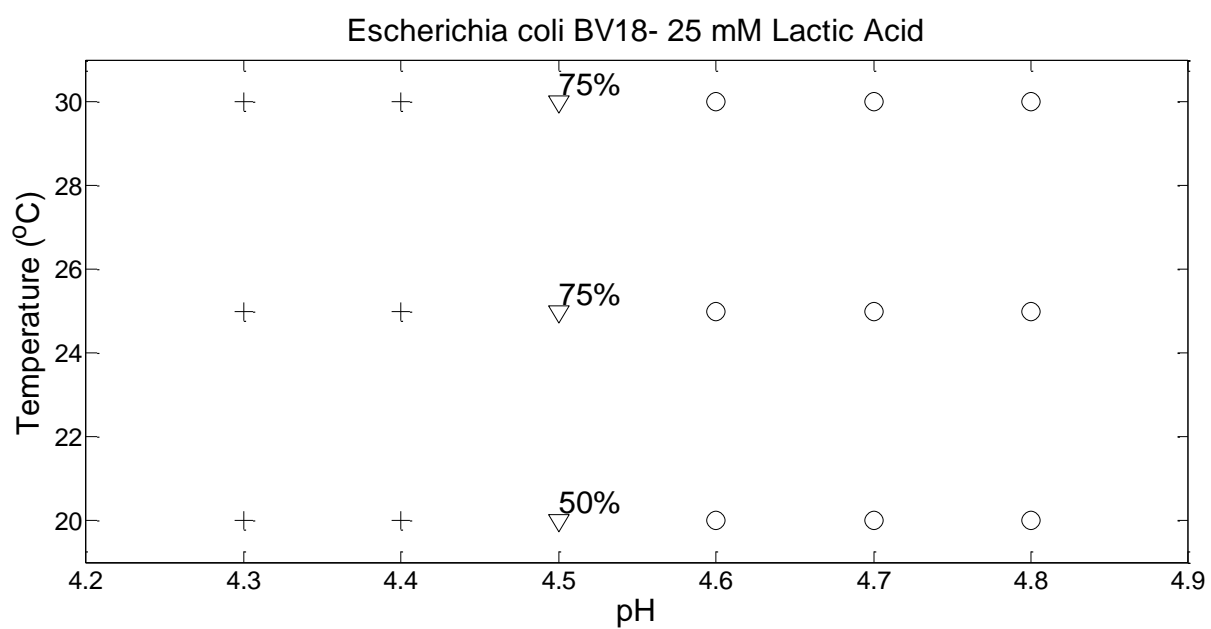
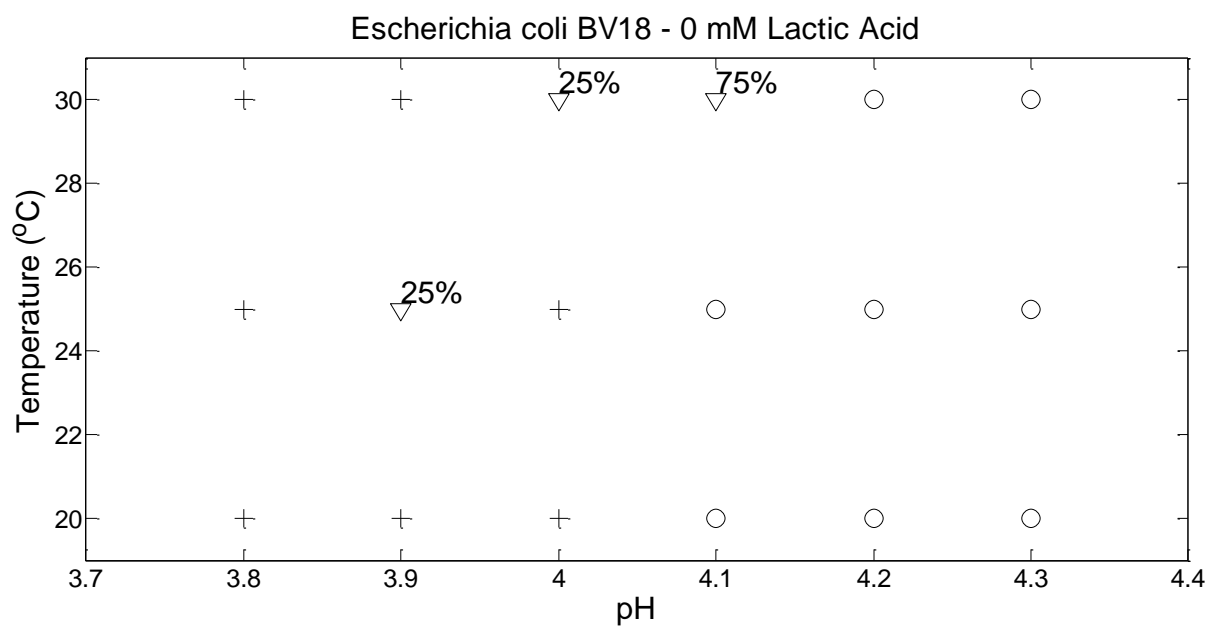


Escherichia coli BV18 - 0 mM Lactic Acid



Escherichia coli BV18 - 25 mM Lactic Acid







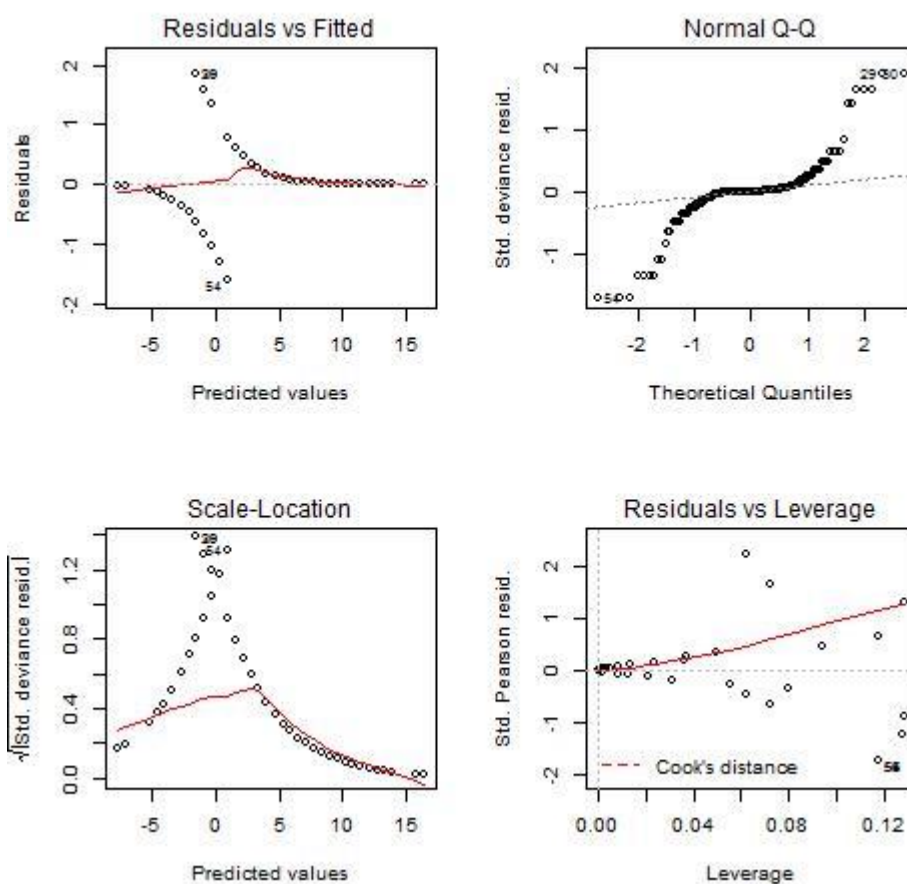


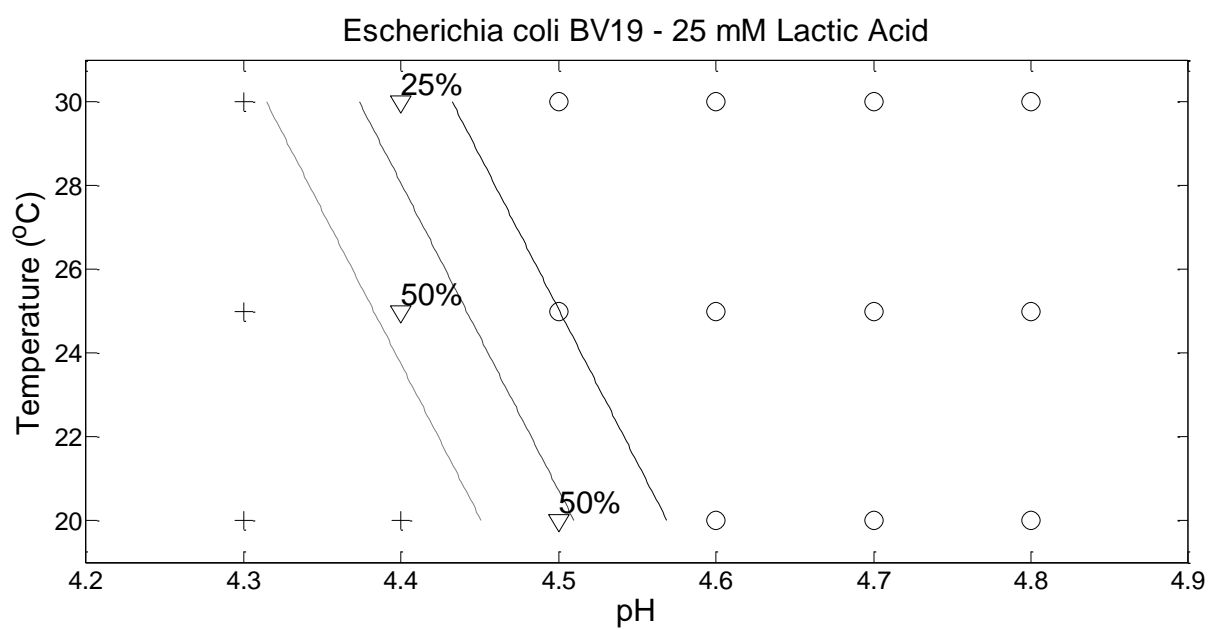
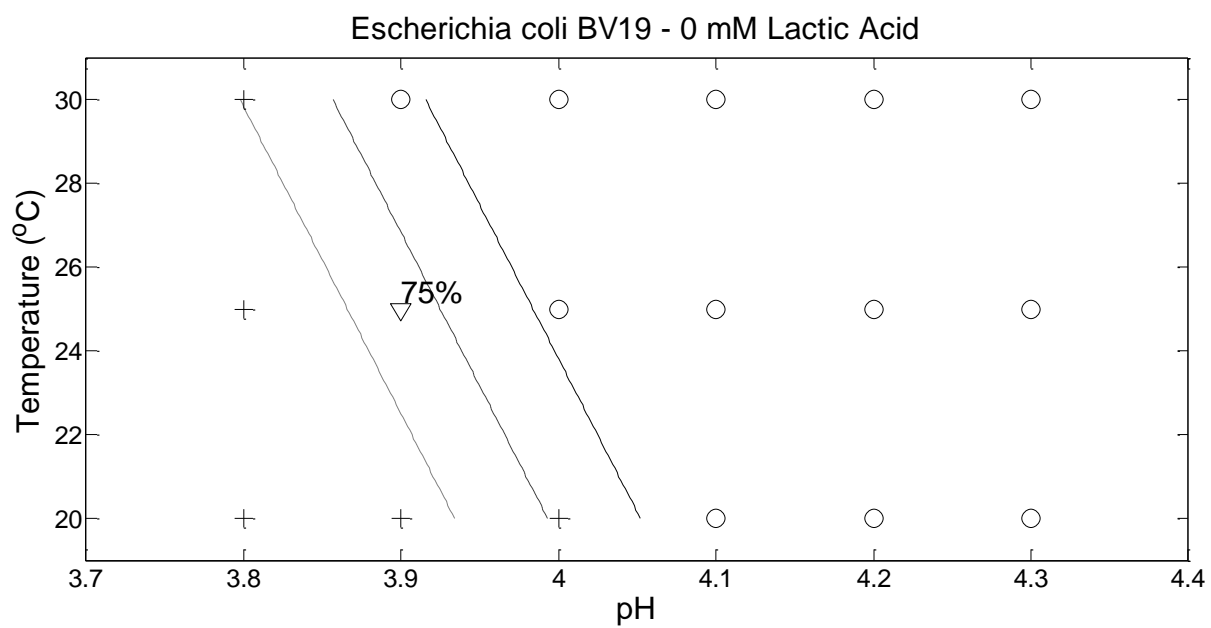
**156. *E.coli* BV19 isolated from rabbit feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-158.92	35.13	-4.52	0.00	-243.49	-102.60	0.00	0.00	0.00
pH	37.25	8.25	4.52	0.00	24.05	57.17	1.51E+16	2.79E+10	6.77E+24
LA	-0.77	0.17	-4.44	0.00	-1.19	-0.49	0.46	0.31	0.61
Temp	0.51	0.14	3.54	0.00	0.26	0.84	1.66	1.30	2.31

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	177.26	
pH	1	23.81	142	153.46	0.00
LA	1	89.15	141	64.31	0.00
Temp	1	22.26	140	42.05	0.00

<b>AIC</b>	50.05
<b>Likelihood Ratio</b>	4.06E-29
<b>Log-Likelihood</b>	-21.02



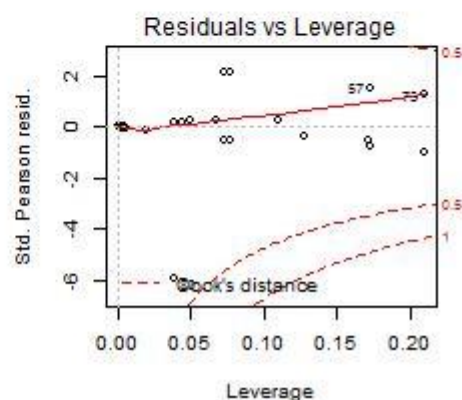
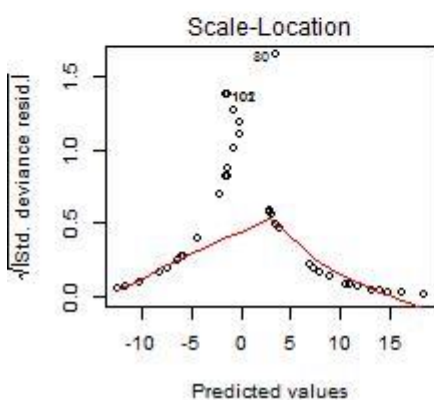
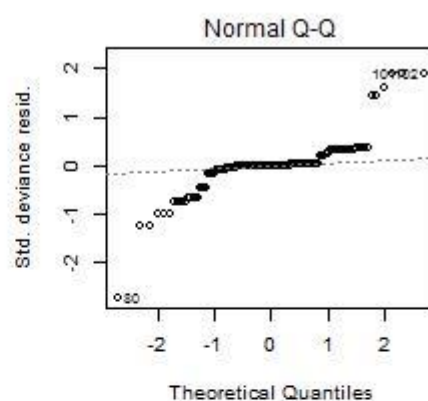
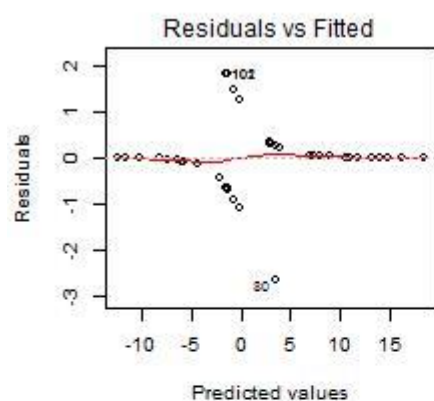


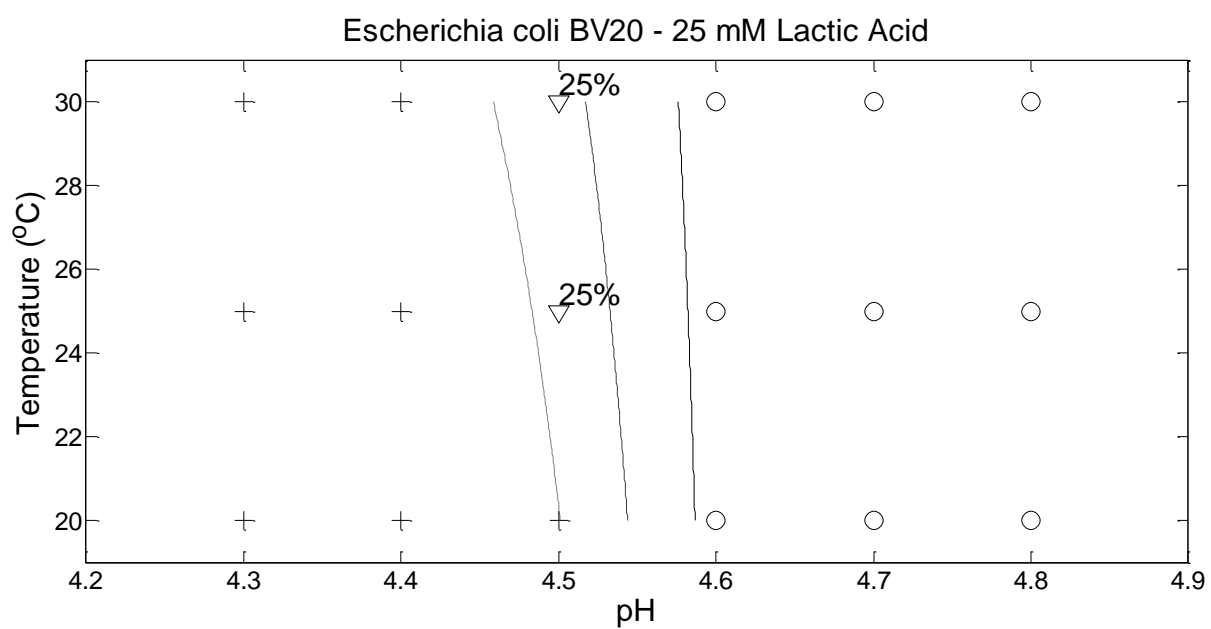
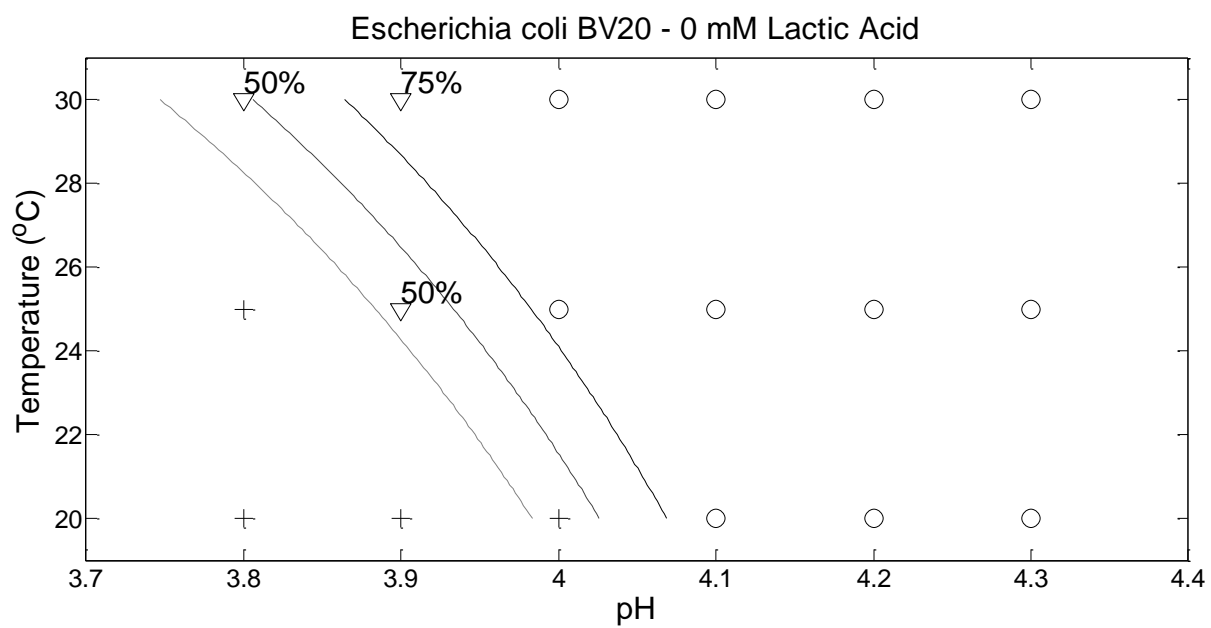
157. *E.coli* BV20 - isolated from human feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-336.05	86.06	-3.91	0.00	-558.69	-198.87	0.00	0.00	0.00
pH	79.38	20.43	3.89	0.00	46.92	132.50	2.98E+34	2.39E+20	3.48E+57
LA	-1.07	0.26	-4.08	0.00	-1.75	-0.66	0.34	0.17	0.52
Temp	6.46	2.04	3.16	0.00	3.03	11.39	636.53	20.63	8.88E+04
pH:Temp	-1.40	0.47	-3.00	0.00	-2.52	-0.61	0.25	0.08	0.54

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	191.52	
pH	1	11.09	142	180.43	0.00
LA	1	114.27	141	66.16	0.00
Temp	1	17.01	140	49.14	0.00
pH:Temp	1	14.86	139	34.29	0.00

<b>AIC</b>	44.29
<b>Likelihood Ratio</b>	5.73E-33
<b>Log-Likelihood</b>	-17.14



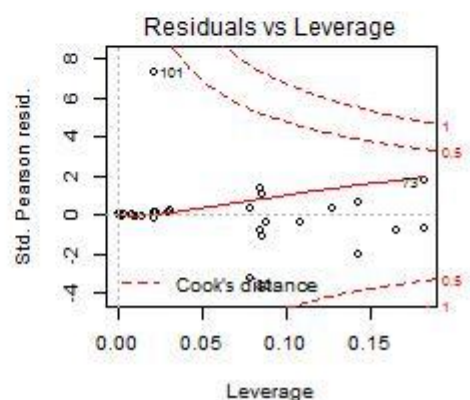
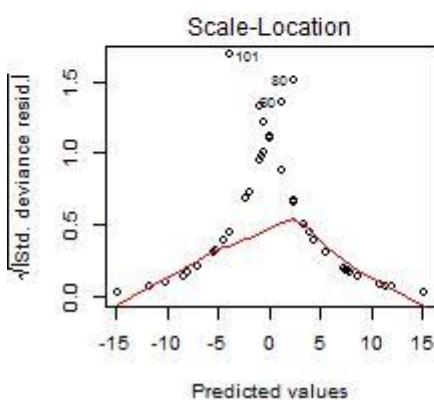
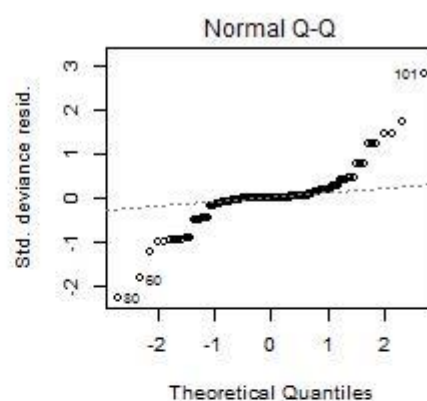
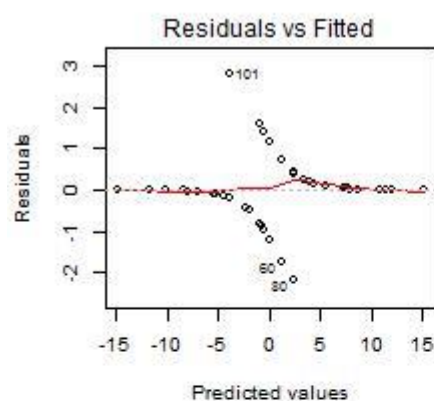


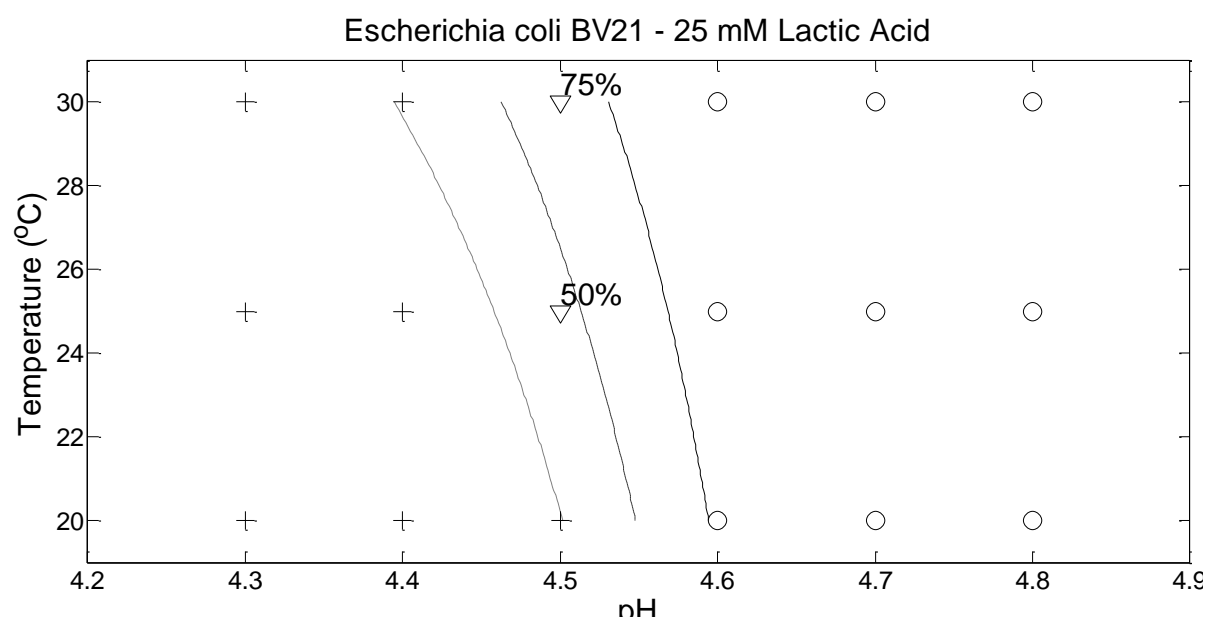
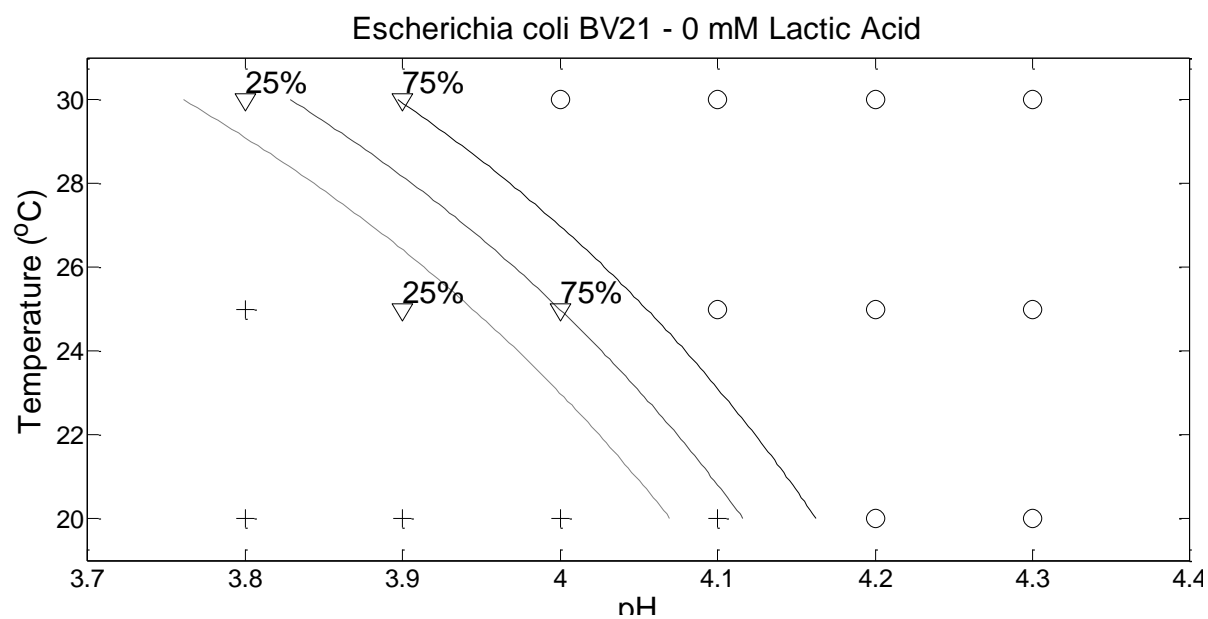
158. *E.coli* BV21 - isolated from horse feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-337.82	88.40	-3.82	0.00	-564.67	-197.31	0.00	0.00	0.00
pH	77.57	20.47	3.79	0.00	45.09	130.30	4.87E+33	3.82E+19	3.88E+56
LA	-0.82	0.19	-4.22	0.00	-1.30	-0.51	0.44	0.27	0.60
Temp	7.14	2.29	3.12	0.00	3.34	12.85	1267.22	28.35	3.82E+05
pH:Temp	-1.51	0.51	-2.94	0.00	-2.79	-0.65	0.22	0.06	0.52

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	23.38	142	171.52	0.00
LA	1	85.54	141	85.98	0.00
Temp	1	31.27	140	54.71	0.00
pH:Temp	1	14.53	139	40.18	0.00

<b>AIC</b>	50.18
<b>Likelihood Ratio</b>	1.98E-32
<b>Log-Likelihood</b>	-20.09



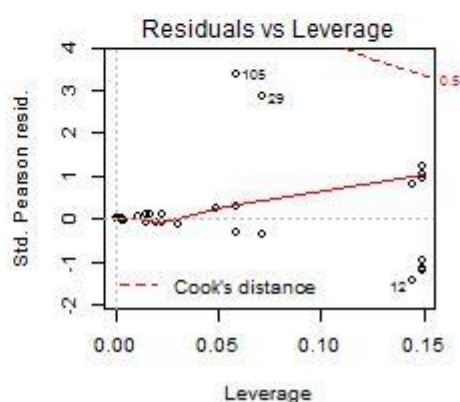
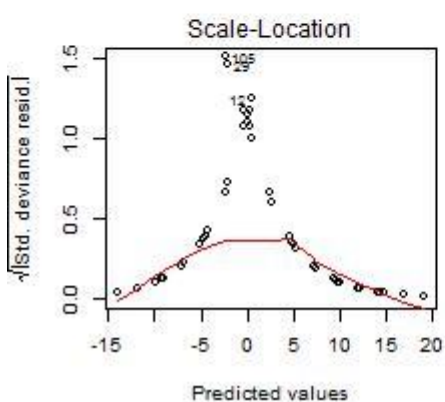
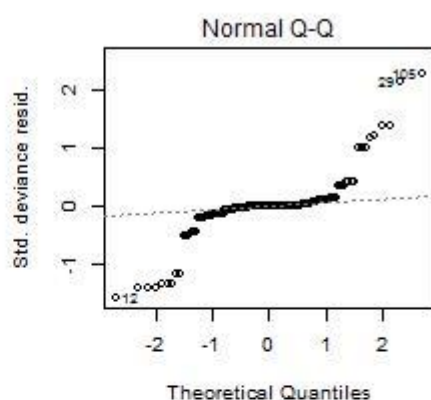
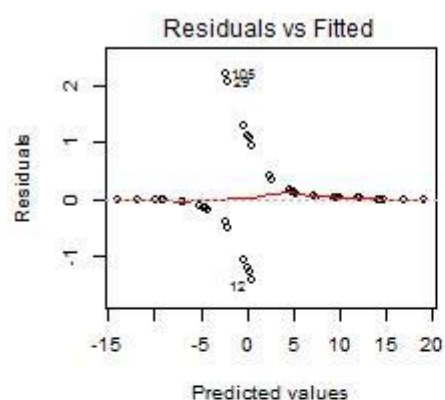


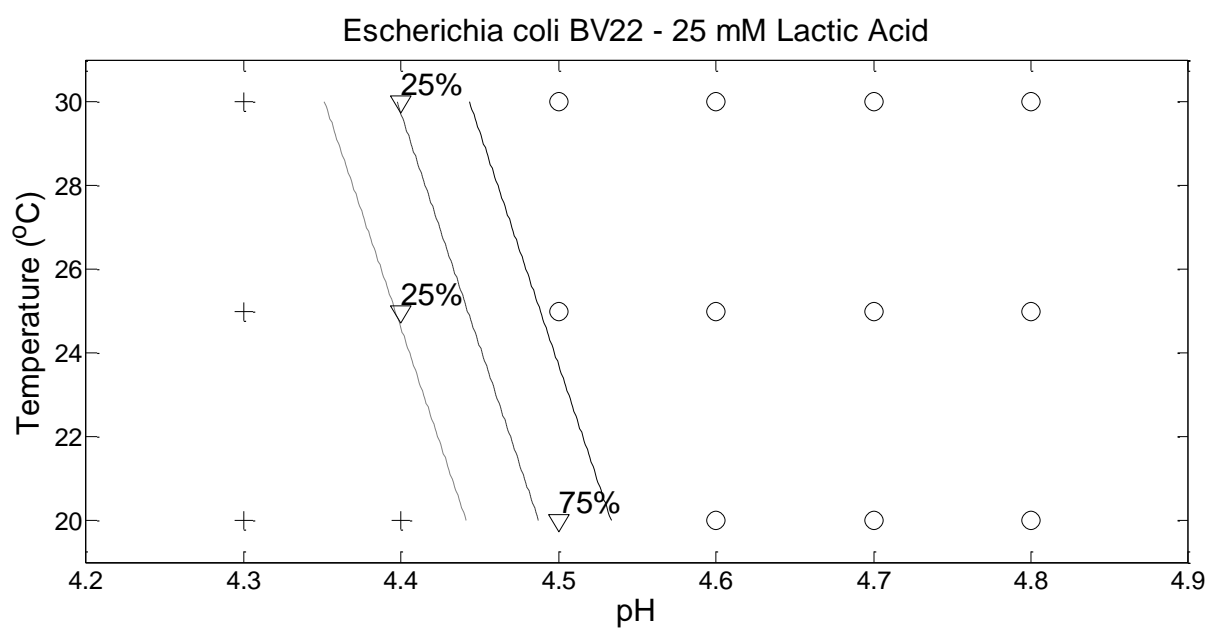
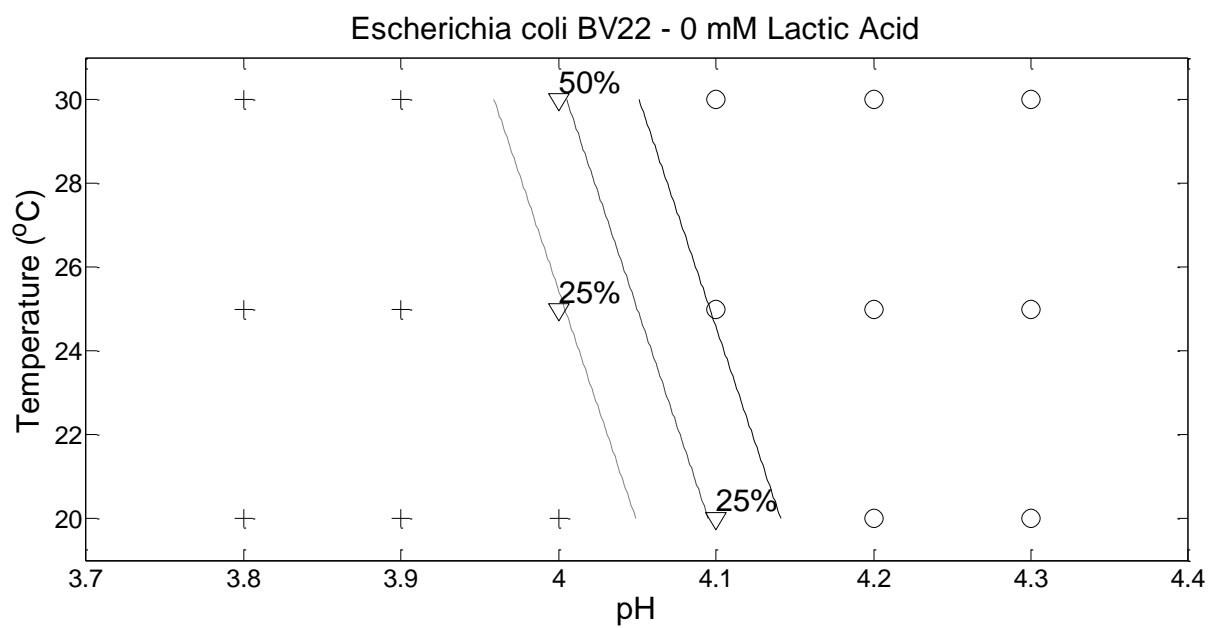
**159. *E.coli* BV22 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-204.02	54.35	-3.75	0.00	-350.26	-123.63	0.00	0.00	0.00
pH	47.72	12.65	3.77	0.00	28.99	81.74	5.32E+20	3.89E+12	3.16E+35
LA	-0.75	0.20	-3.70	0.00	-1.29	-0.45	0.47	0.27	0.64
Temp	0.43	0.16	2.74	0.01	0.17	0.81	1.54	1.18	2.25

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	60.91	142	134.00	0.00
LA	1	87.03	141	46.97	0.00
Temp	1	12.46	140	34.51	0.00

<b>AIC</b>	42.51
<b>Likelihood Ratio</b>	1.5E-34
<b>Log-Likelihood</b>	-17.25





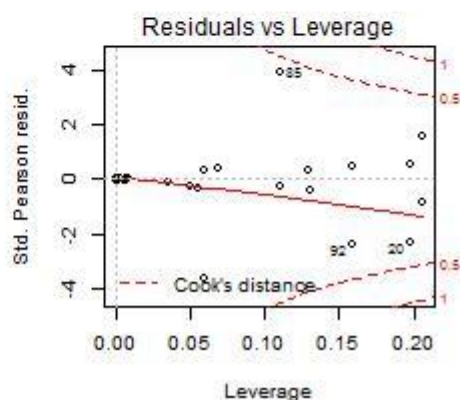
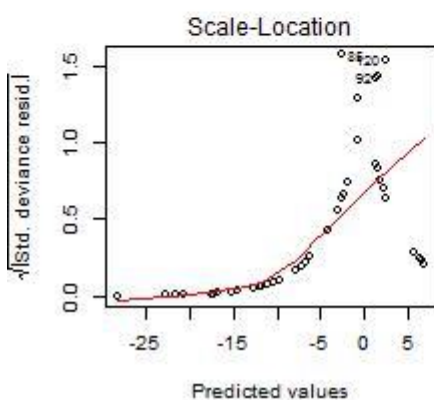
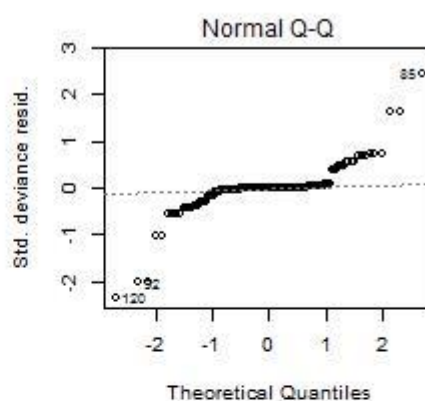
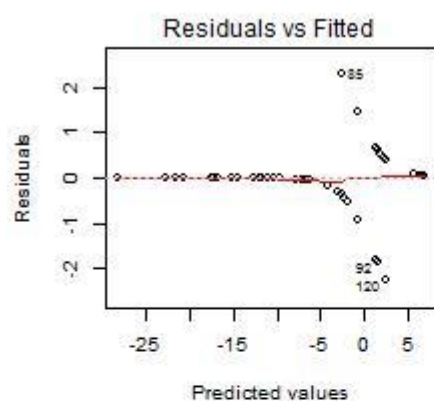


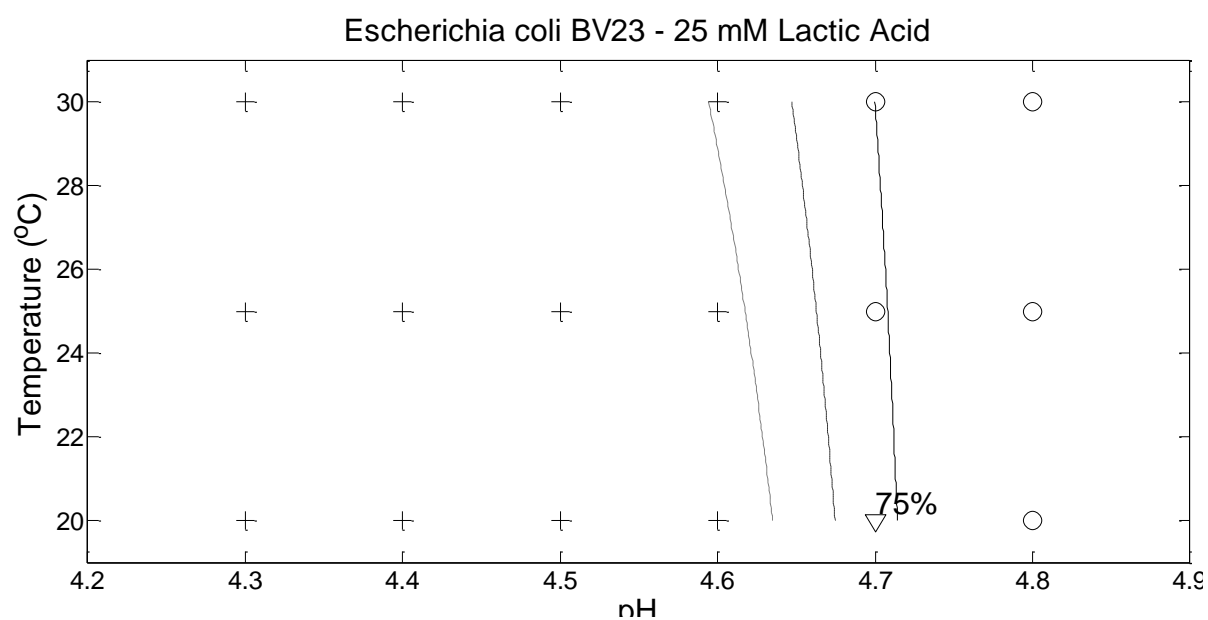
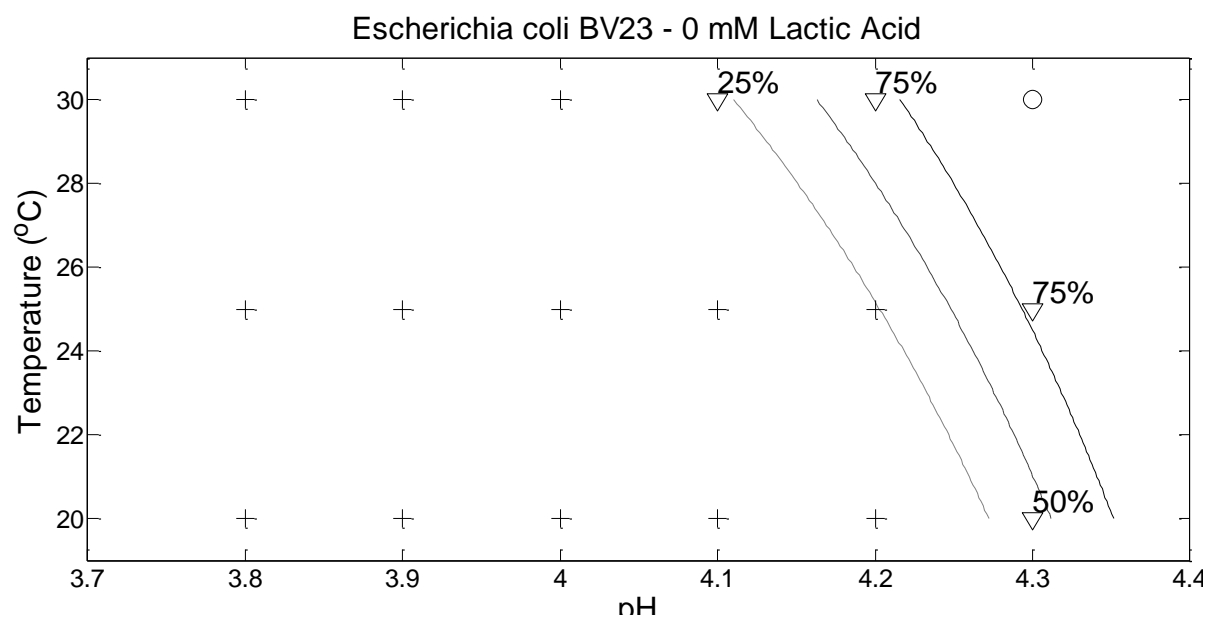
**160. *E.coli* BV23 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-371.52	99.10	-3.75	0.00	-603.66	-204.26	0.00	0.00	0.00
pH	83.29	22.25	3.74	0.00	45.77	135.47	1.49E+36	7.57E+19	6.84E+58
LA	-0.81	0.20	-3.97	0.00	-1.31	-0.48	0.45	0.27	0.62
Temp	6.61	2.58	2.56	0.01	2.00	12.39	742.68	7.38	2.40E+05
pH:Temp	-1.39	0.57	-2.44	0.01	-2.66	-0.37	0.25	0.07	0.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	161.95	
pH	1	46.07	142	115.88	0.00
LA	1	66.19	141	49.69	0.00
Temp	1	11.16	140	38.52	0.00
pH:Temp	1	7.43	139	31.09	0.01

<b>AIC</b>	41.09
<b>Likelihood Ratio</b>	2.55E-27
<b>Log-Likelihood</b>	-15.55



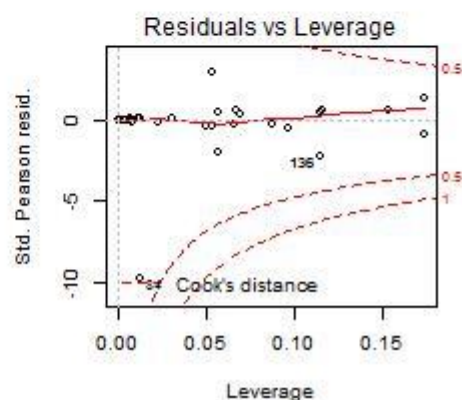
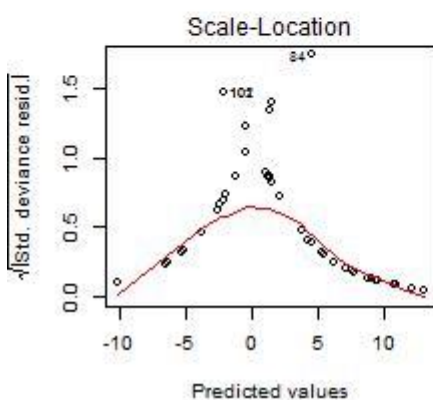
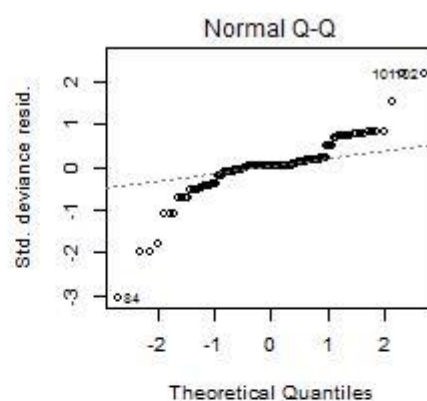
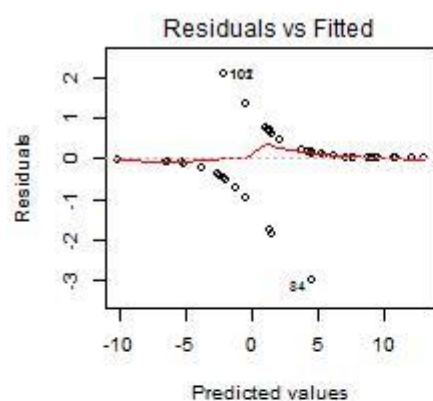


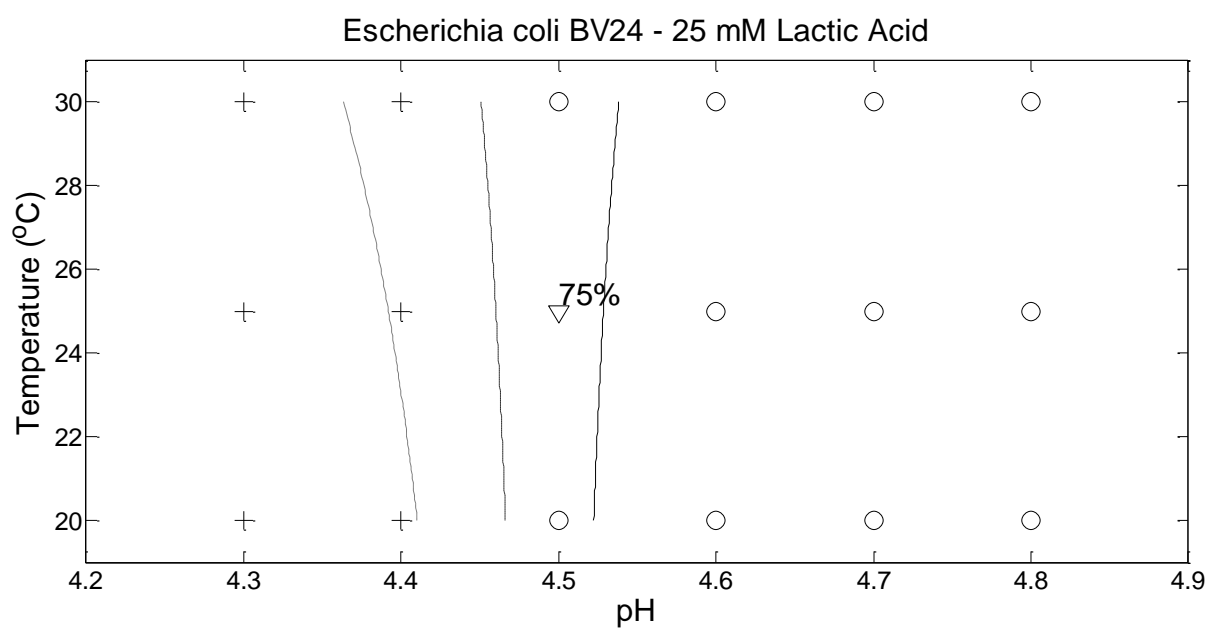
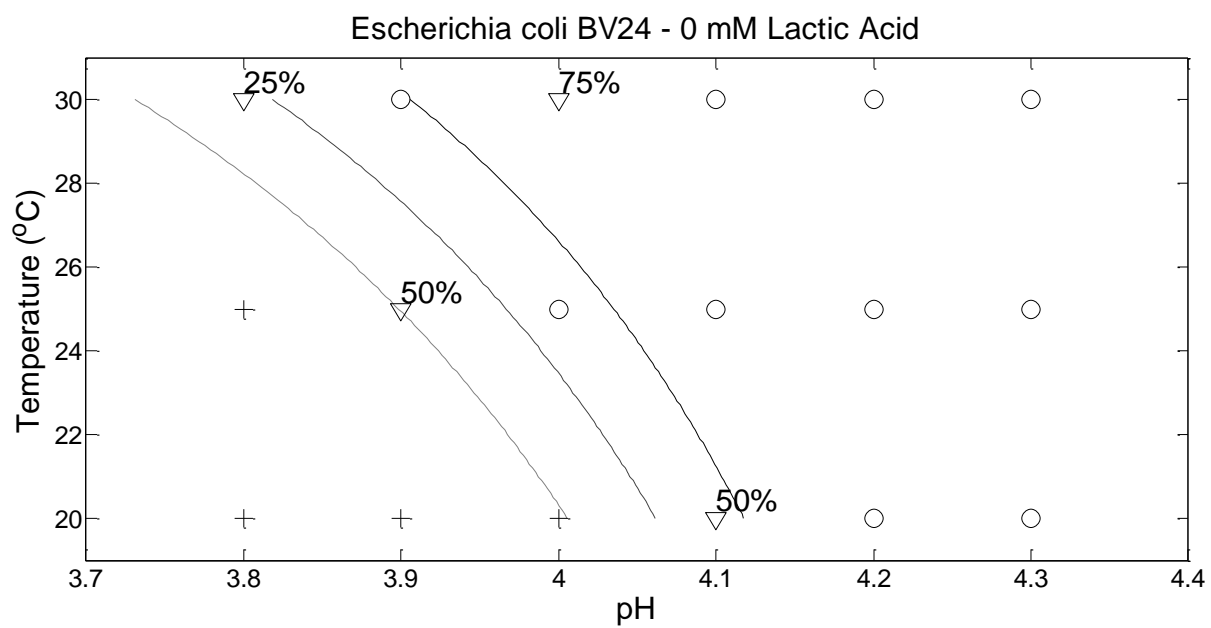
**161. *E.coli* BV24 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-286.26	68.34	-4.19	0.00	-445.90	-171.83	0.00	0.00	0.00
pH	67.47	16.09	4.19	0.00	40.49	105.00	2.01E+29	3.83E+17	4.00E+45
LA	-0.63	0.13	-4.80	0.00	-0.94	-0.42	0.53	0.39	0.66
Temp	6.35	1.92	3.30	0.00	3.01	10.73	570.69	20.24	45812.57
pH:Temp	-1.41	0.44	-3.18	0.00	-2.42	-0.64	0.24	0.09	0.53

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	25.45	142	159.22	0.00
LA	1	82.26	141	76.96	0.00
Temp	1	13.91	140	63.05	0.00
pH:Temp	1	15.05	139	48.00	0.00

<b>AIC</b>	58.00
<b>Likelihood Ratio</b>	1.46E-28
<b>Log-Likelihood</b>	-24.00



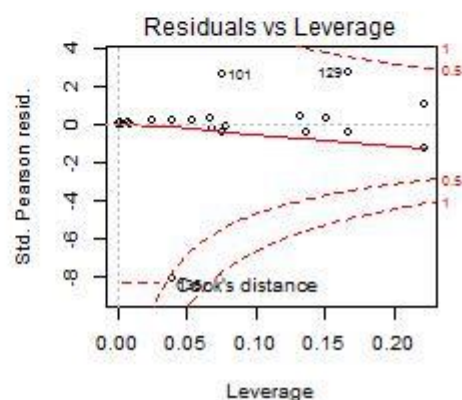
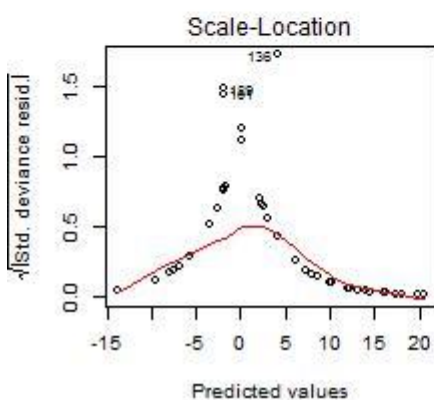
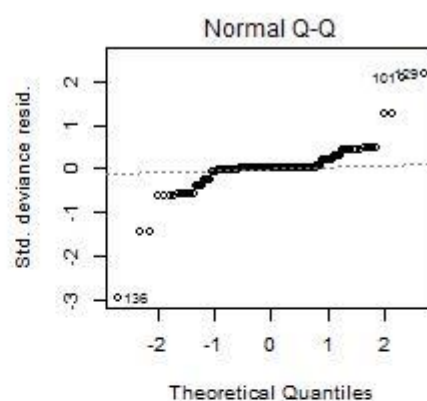
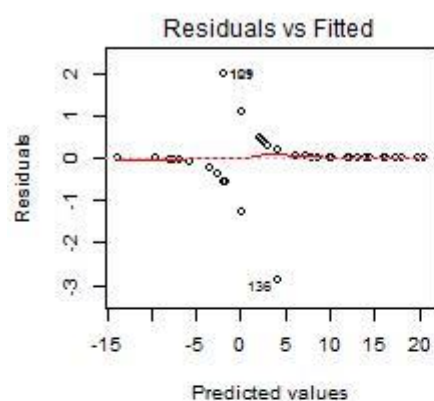


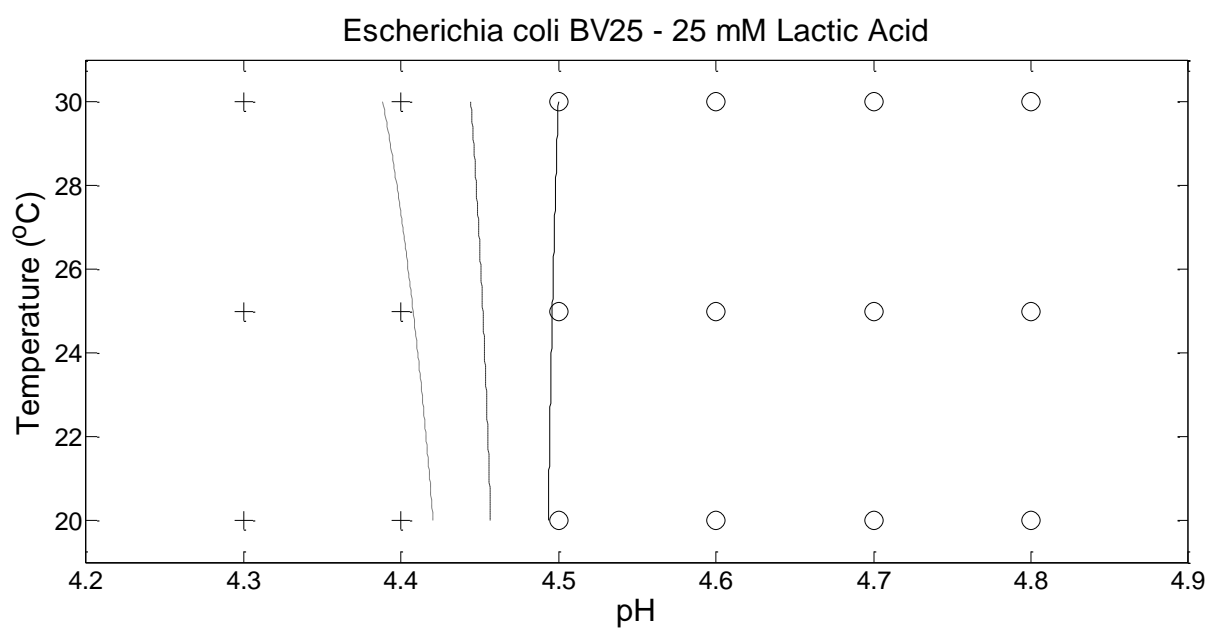
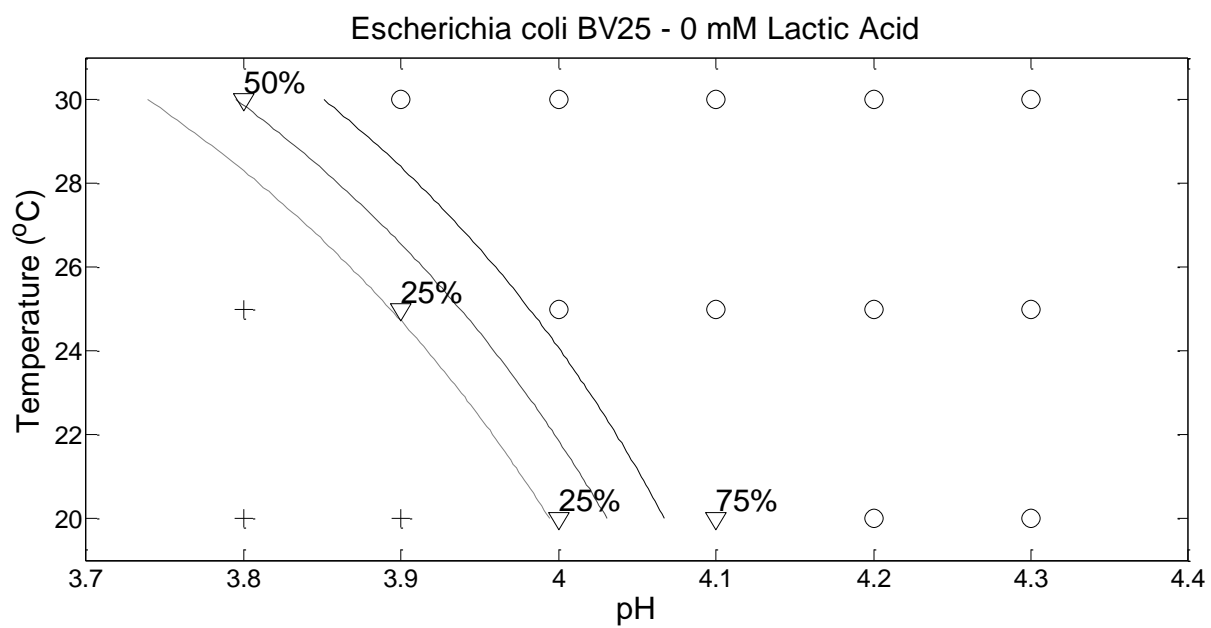
**162. *E.coli* BV25 - isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-426.89	103.30	-4.13	0.00	-677.61	-257.51	0.00	0.00	0.00
pH	101.30	24.63	4.11	0.00	61.02	161.44	9.87E+43	3.16E+26	1.30E+70
LA	-1.02	0.26	-3.99	0.00	-1.70	-0.63	0.36	0.18	0.53
Temp	9.24	2.58	3.58	0.00	4.89	15.45	1.03E+04	132.94	5.14E+06
pH:Temp	-2.06	0.60	-3.45	0.00	-3.51	-1.06	0.13	0.03	0.35

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	178.87	
pH	1	22.22	142	156.66	0.00
LA	1	89.78	141	66.87	0.00
Temp	1	16.71	140	50.17	0.00
pH:Temp	1	21.60	139	28.56	0.00

<b>AIC</b>	38.56
<b>Likelihood Ratio</b>	1.75E-31
<b>Log-Likelihood</b>	-14.28



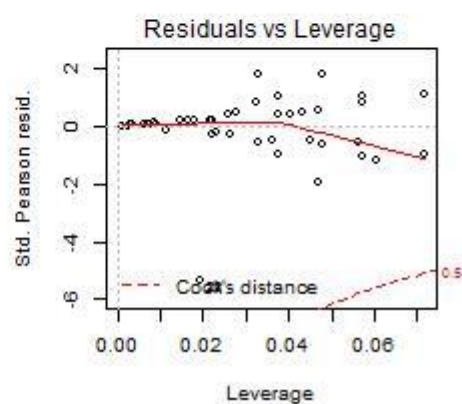
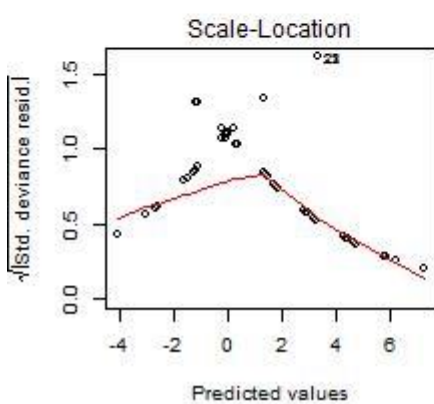
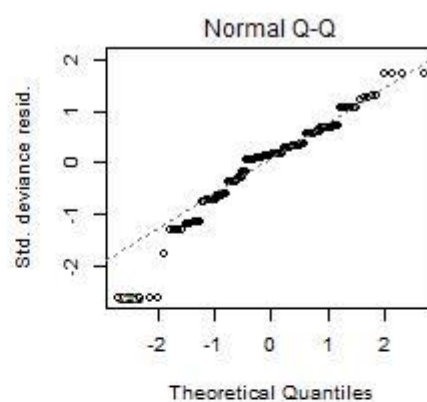
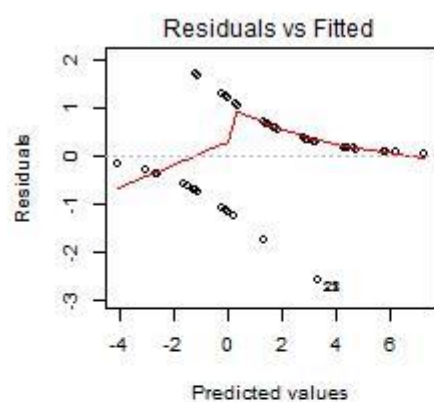


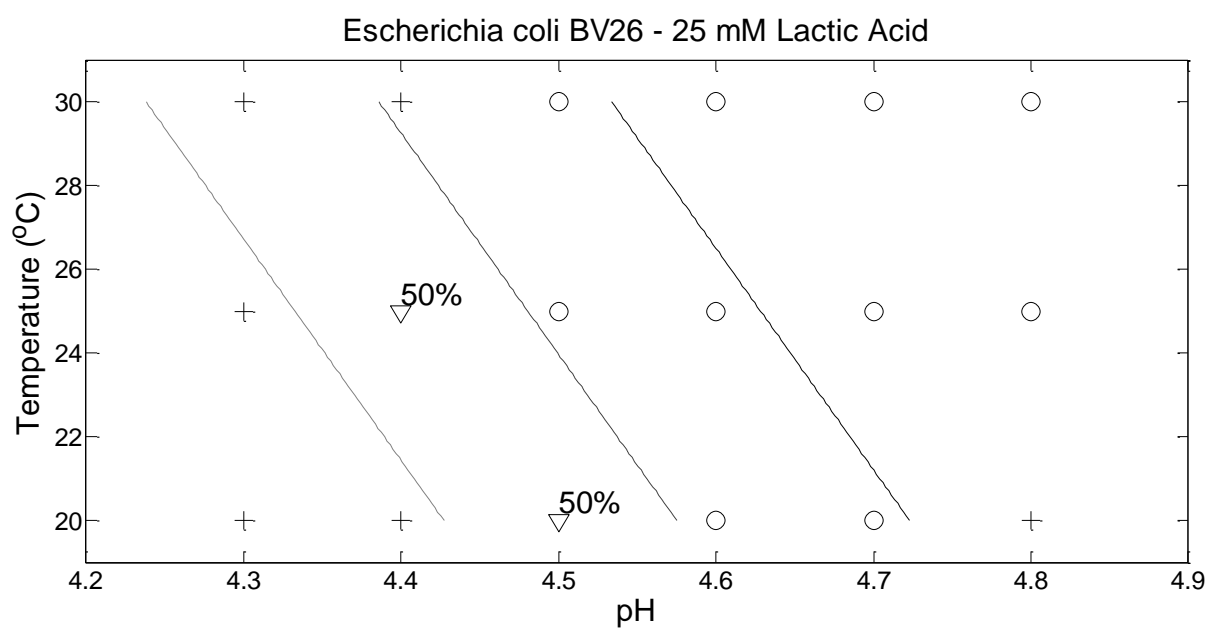
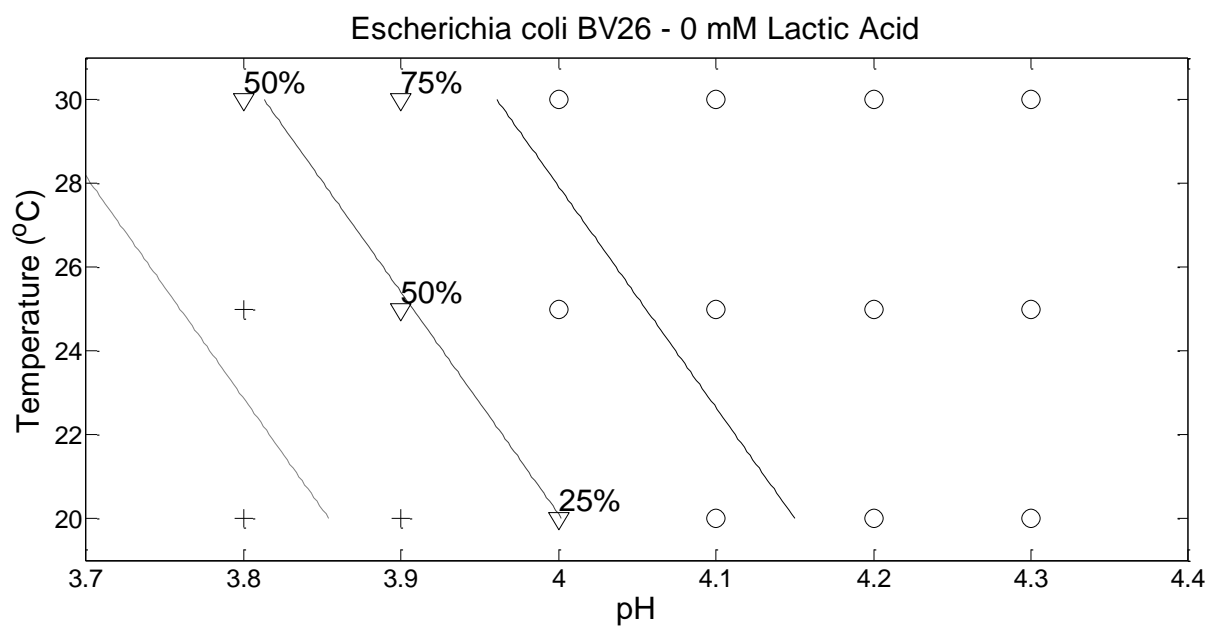
**163. *E.coli* BV26 - isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-65.08	11.10	-5.86	0.00	-89.71	-45.74	0.00	0.00	0.00
pH	14.86	2.55	5.83	0.00	10.41	20.50	2.84E+06	3.32E+04	8.01E+08
LA	-0.34	0.06	-5.63	0.00	-0.47	-0.23	0.71	0.62	0.79
Temp	0.28	0.08	3.73	0.00	0.14	0.44	1.32	1.15	1.55

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	183.32	
pH	1	9.82	142	173.49	0.00
LA	1	62.23	141	111.26	0.00
Temp	1	17.99	140	93.28	0.00

<b>AIC</b>	101.28
<b>Likelihood Ratio</b>	2.15E-19
<b>Log-Likelihood</b>	-46.64





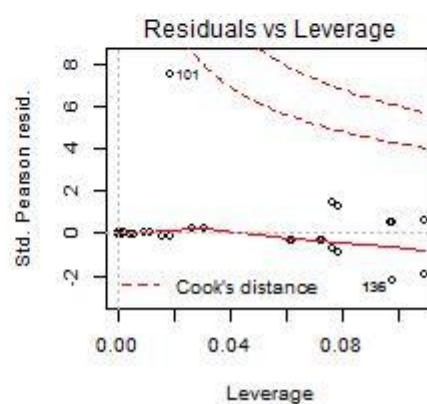
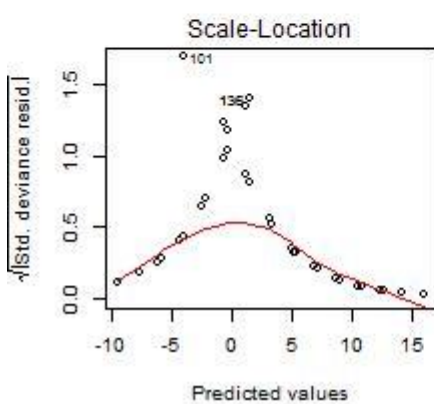
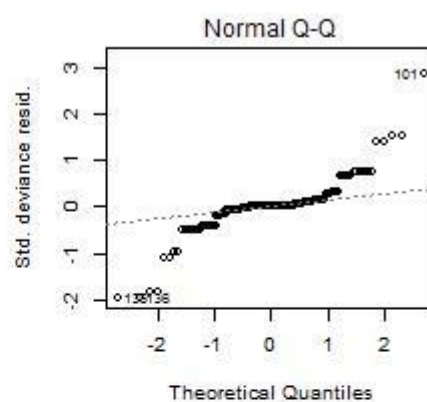
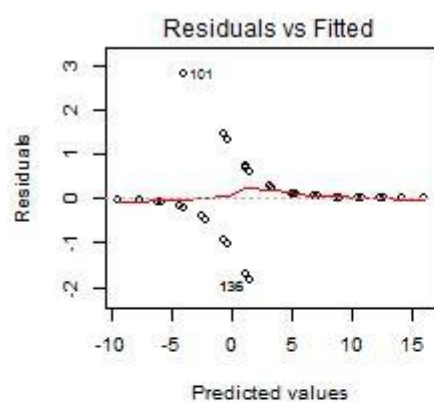


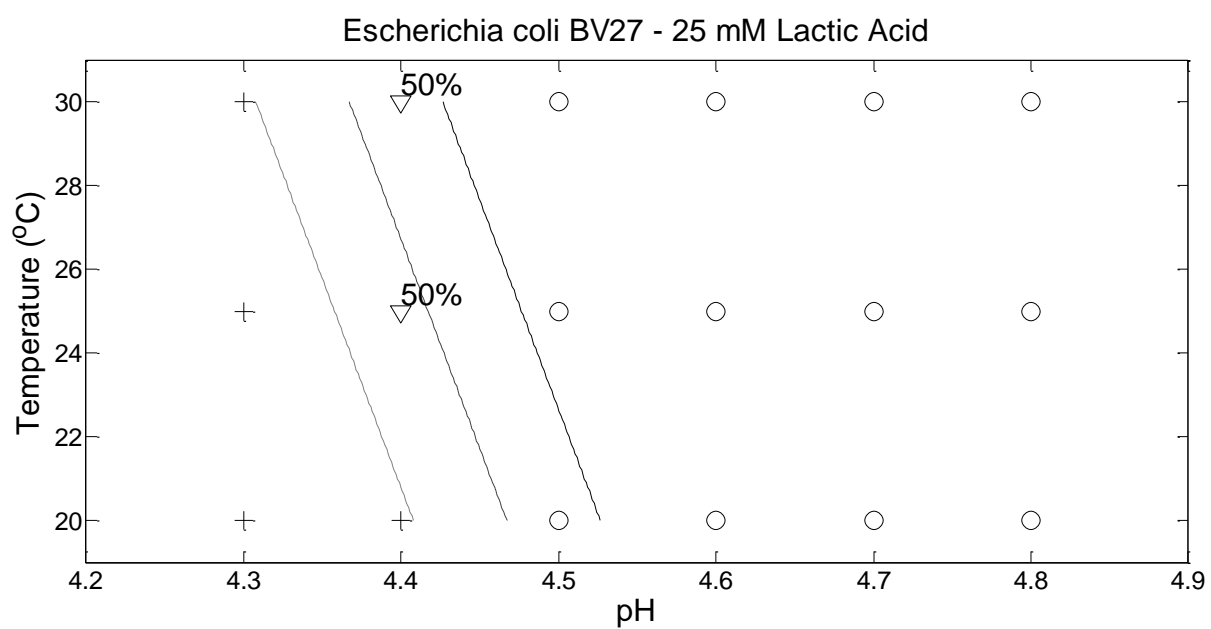
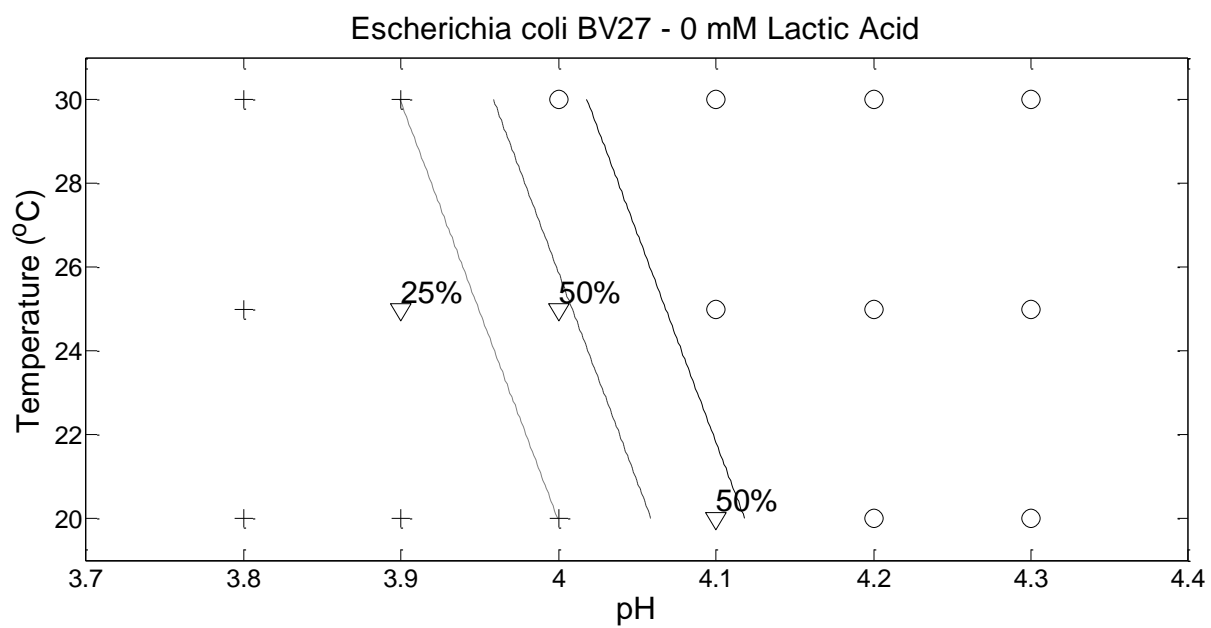
**164. *E.coli* BV27 - isolated from bird feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-157.55	33.88	-4.65	0.00	-238.06	-102.84	0.00	0.00	0.00
pH	36.99	7.93	4.66	0.00	24.18	55.83	1.16E+16	3.17E+10	1.77E+24
LA	-0.60	0.13	-4.51	0.00	-0.92	-0.39	0.55	0.40	0.68
Temp	0.37	0.13	2.91	0.00	0.15	0.67	1.45	1.16	1.95

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	187.20	
pH	1	53.18	142	134.02	0.00
LA	1	79.13	141	54.89	0.00
Temp	1	12.81	140	42.08	0.00

<b>AIC</b>	50.08
<b>Likelihood Ratio</b>	2.98E-31
<b>Log-Likelihood</b>	-21.04



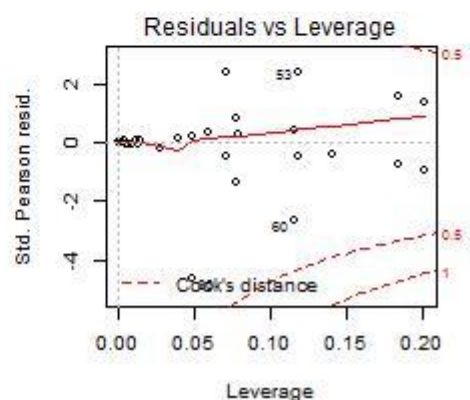
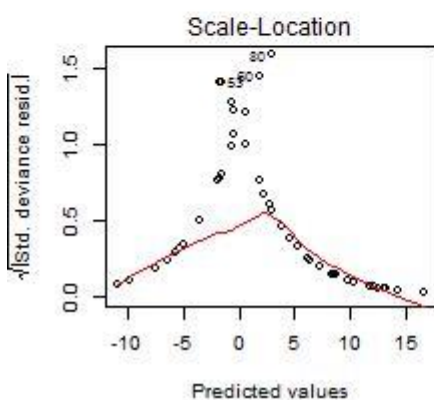
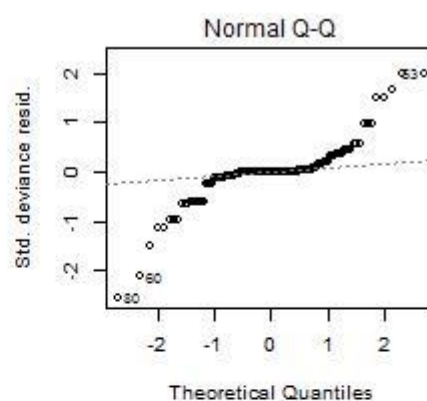
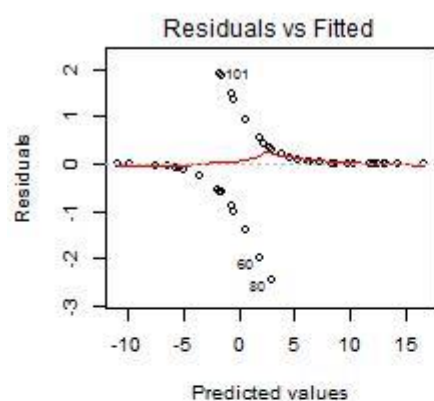


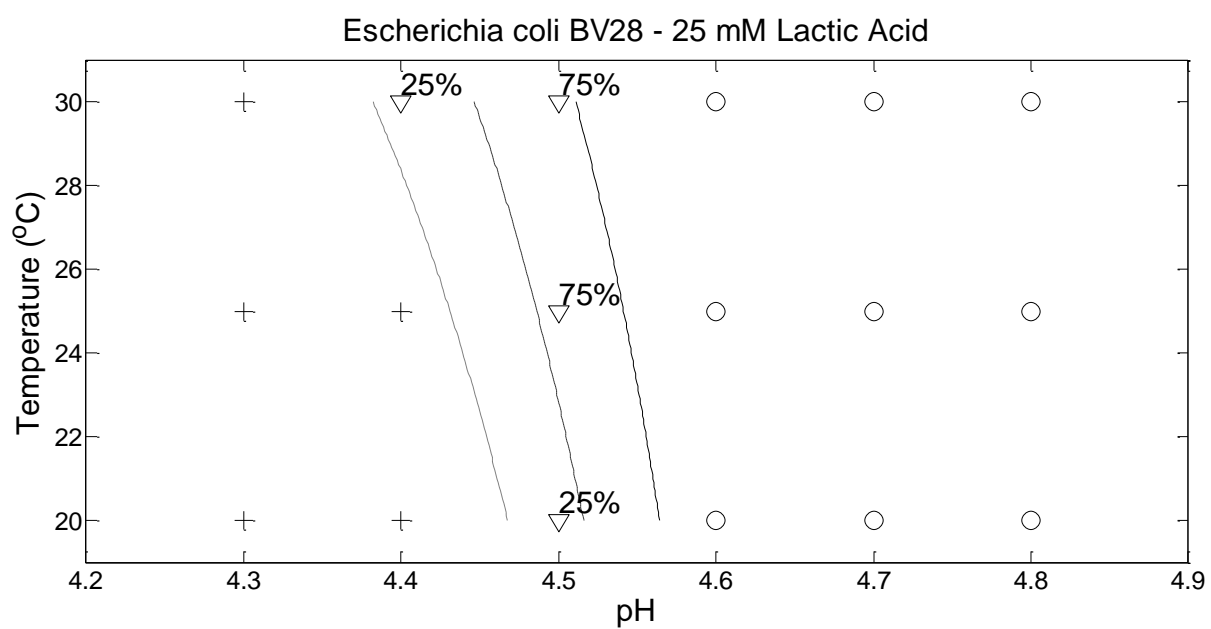
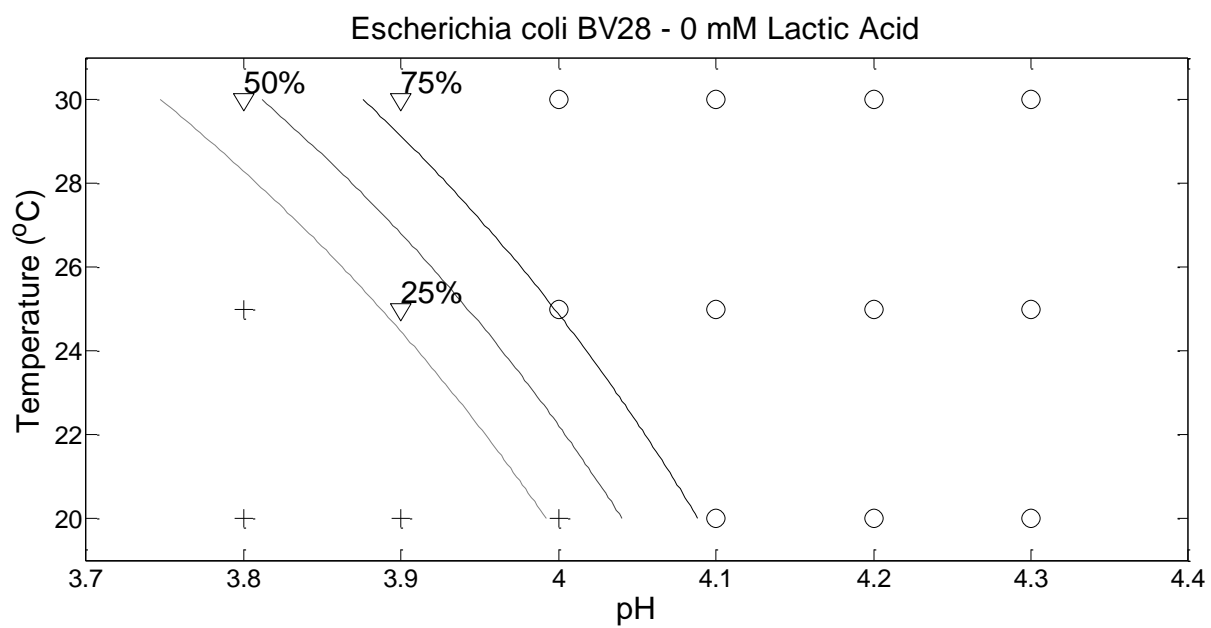
165. *E.coli* BV28 - isolated from human feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-292.28	76.95	-3.80	0.00	-477.72	-167.52	0.00	0.00	0.00
pH	68.48	18.11	3.78	0.00	39.12	112.11	5.48E+29	9.80E+16	4.88E+48
LA	-0.87	0.20	-4.28	0.00	-1.37	-0.55	0.42	0.25	0.58
Temp	5.41	1.95	2.78	0.01	2.04	9.92	222.53	7.70	2.04E+04
pH:Temp	-1.14	0.44	-2.58	0.01	-2.16	-0.37	0.32	0.12	0.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	185.96	
pH	1	18.69	142	167.28	0.00
LA	1	95.68	141	71.59	0.00
Temp	1	23.53	140	48.06	0.00
pH:Temp	1	9.16	139	38.91	0.00

<b>AIC</b>	48.91
<b>Likelihood Ratio</b>	8.69E-31
<b>Log-Likelihood</b>	-19.45



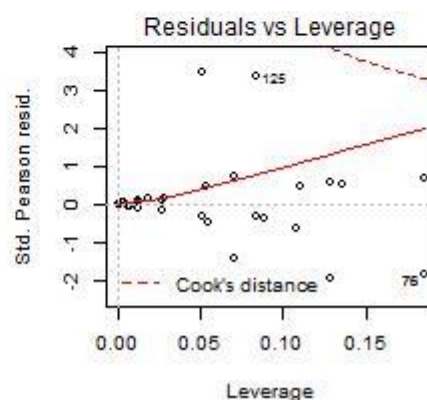
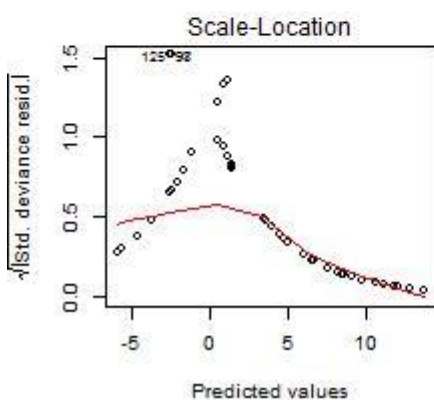
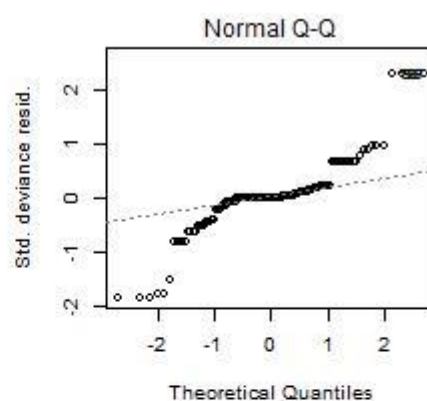
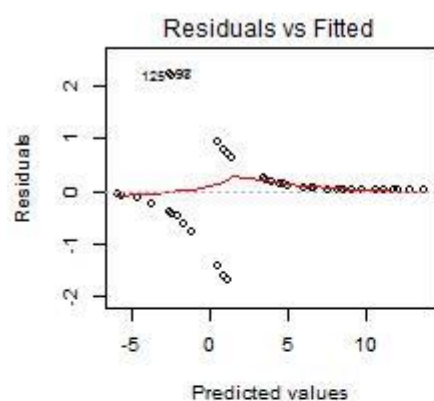


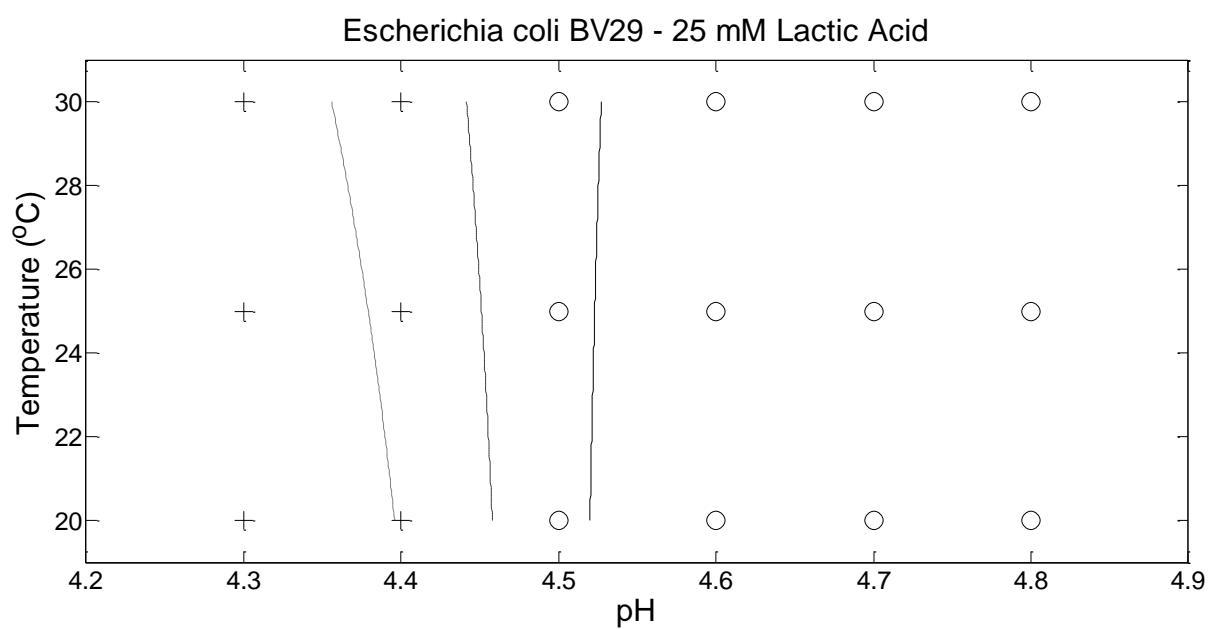
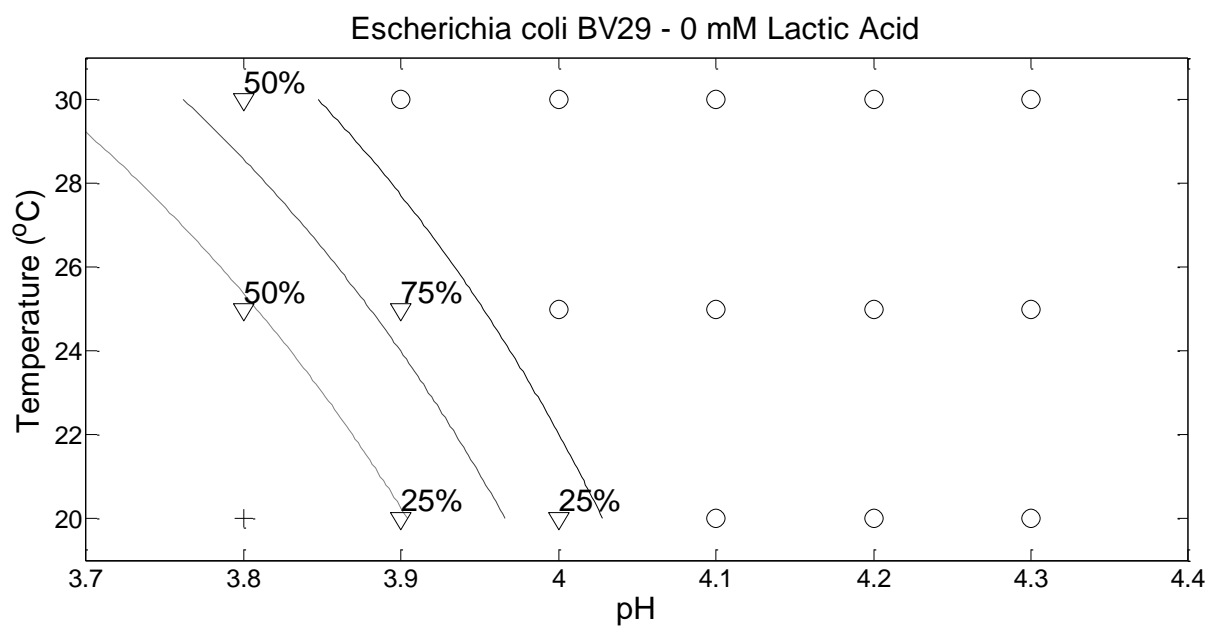
**166. *E.coli* BV29 - isolated from manure**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-228.66	55.67	-4.11	0.00	-357.44	-134.66	0.00	0.00	0.00
pH	55.01	13.35	4.12	0.00	32.48	85.91	7.81E+23	1.27E+14	2.04E+37
LA	-0.70	0.15	-4.74	0.00	-1.04	-0.46	0.50	0.35	0.63
Temp	4.41	1.58	2.80	0.01	1.62	7.94	81.92	5.04	2805.98
pH:Temp	-0.98	0.37	-2.66	0.01	-1.80	-0.32	0.38	0.16	0.72

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	11.14	142	157.08	0.00
LA	1	90.55	141	66.53	0.00
Temp	1	10.08	140	56.46	0.00
pH:Temp	1	9.20	139	47.25	0.00

<b>AIC</b>	57.25
<b>Likelihood Ratio</b>	3.33E-25
<b>Log-Likelihood</b>	-23.63



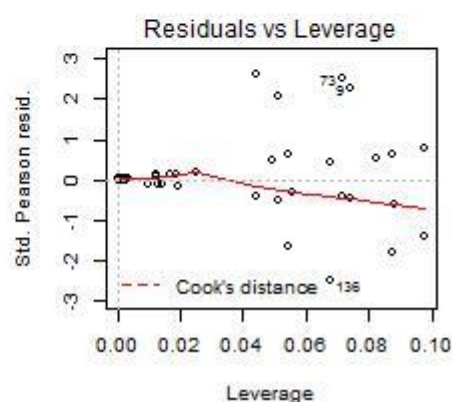
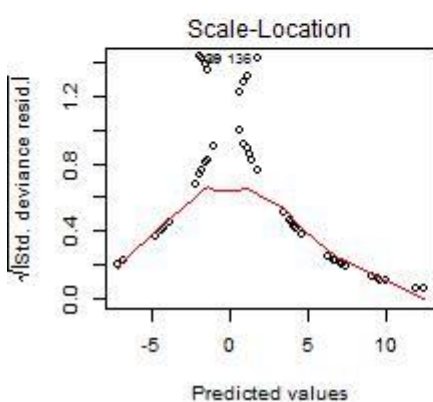
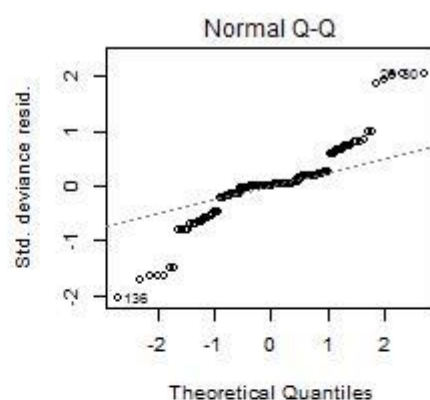
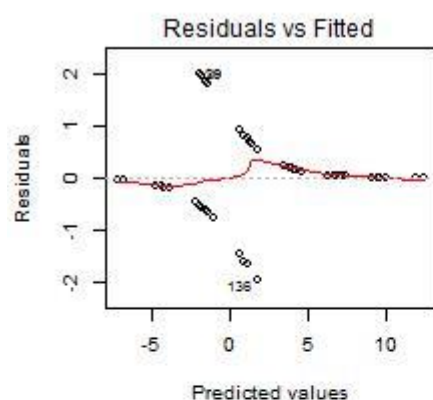


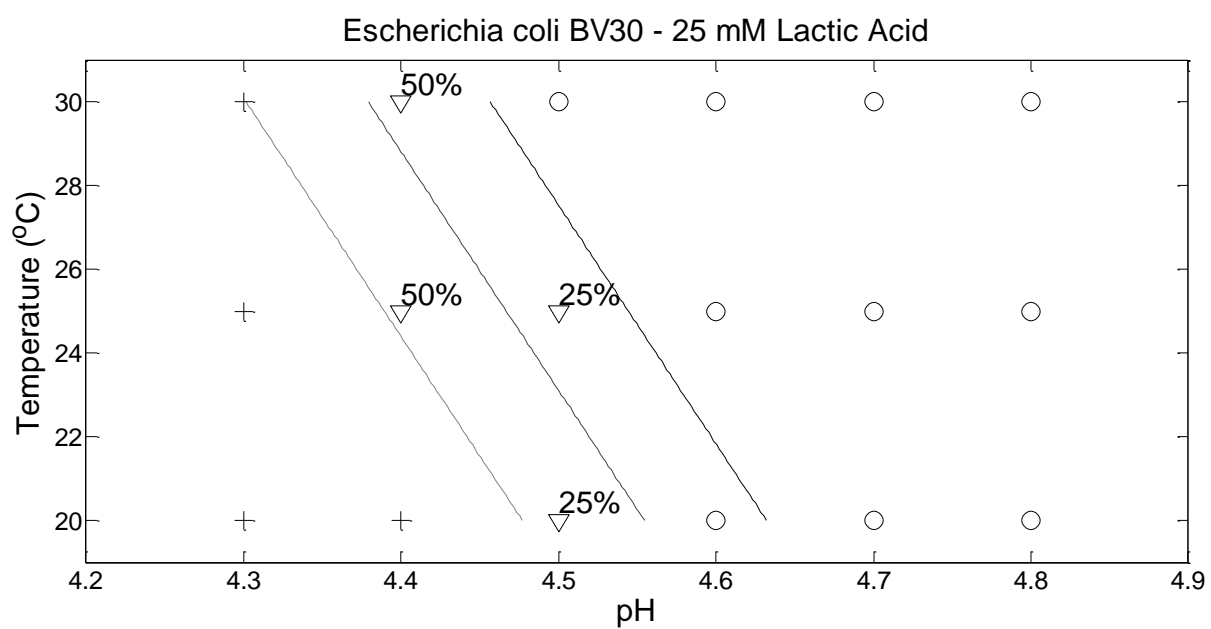
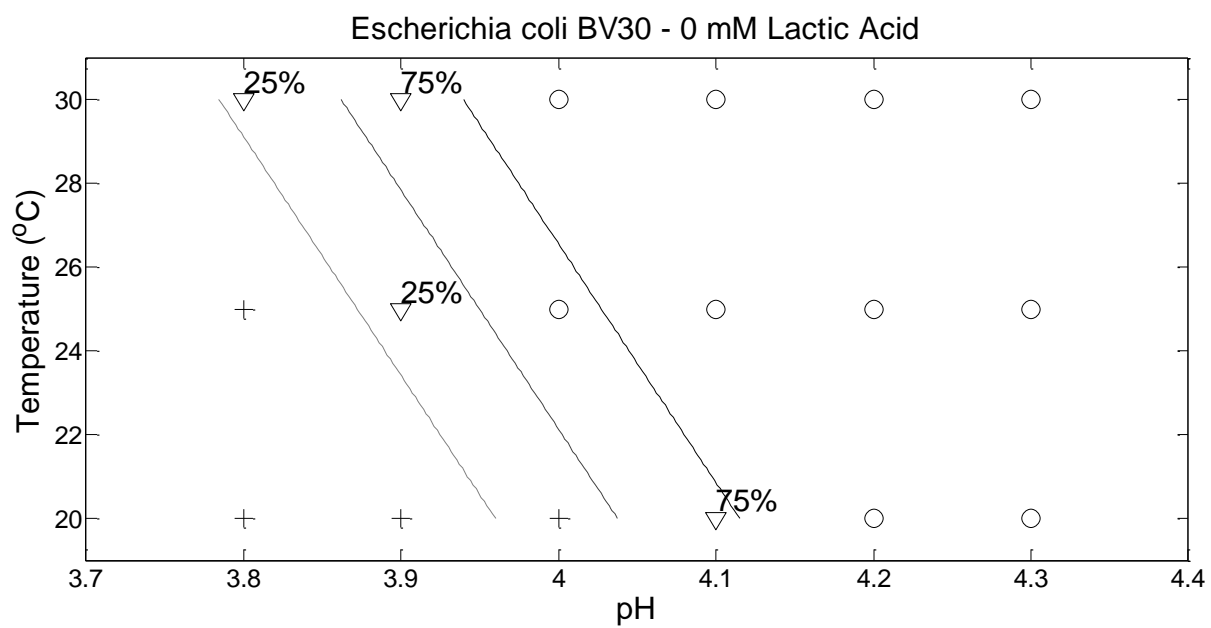
**167. *E.coli* BV30 - isolated from mud**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-124.36	24.14	-5.15	0.00	-179.83	-84.24	0.00	0.00	0.00
pH	28.34	5.50	5.15	0.00	19.20	41.00	2.03E+12	2.18E+08	6.38E+17
LA	-0.59	0.12	-5.00	0.00	-0.86	-0.39	0.56	0.42	0.68
Temp	0.50	0.13	3.95	0.00	0.28	0.78	1.64	1.32	2.18

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	185.96	
pH	1	23.29	142	162.67	0.00
LA	1	80.41	141	82.26	0.00
Temp	1	27.81	140	54.45	0.00

<b>AIC</b>	62.45
<b>Likelihood Ratio</b>	2.55E-28
<b>Log-Likelihood</b>	-27.23





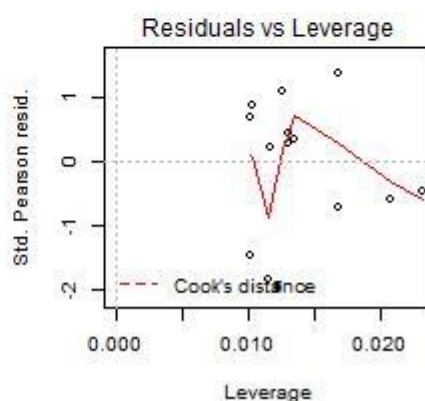
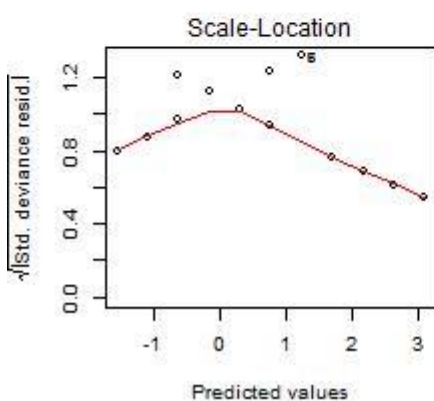
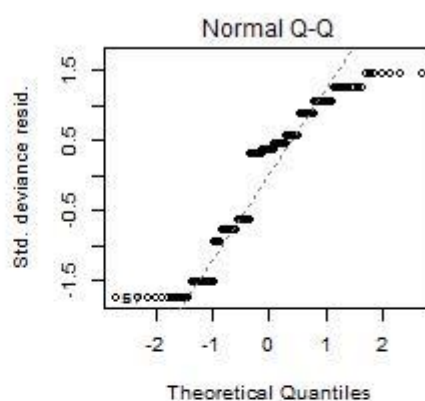
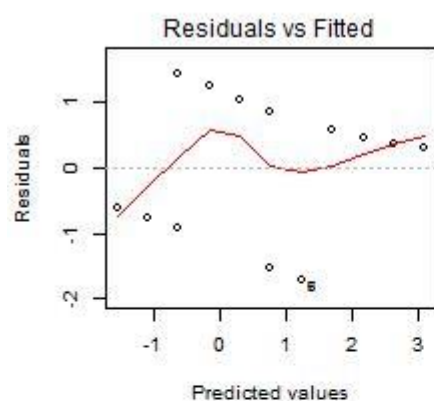


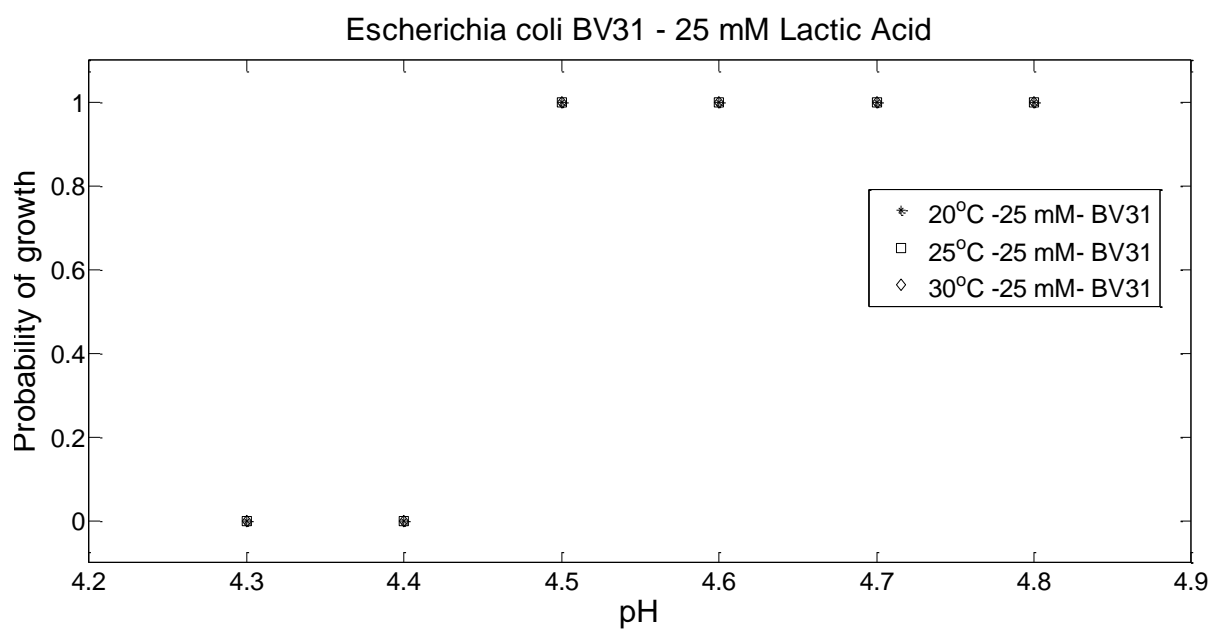
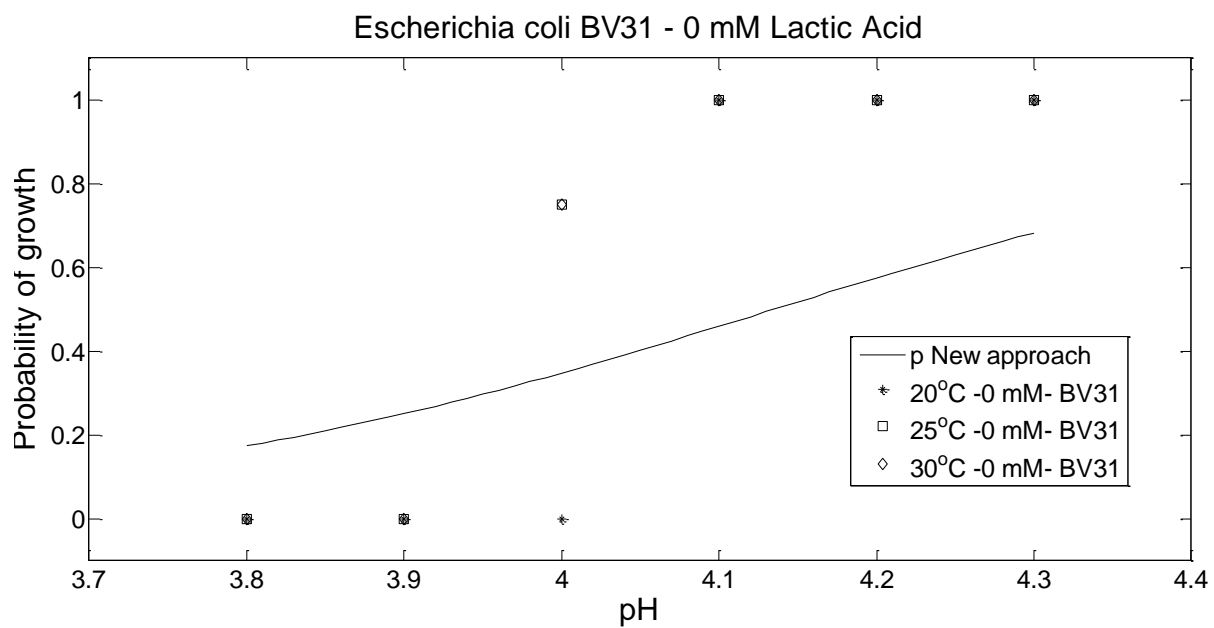
168. *E.coli* BV31 - isolated from river water

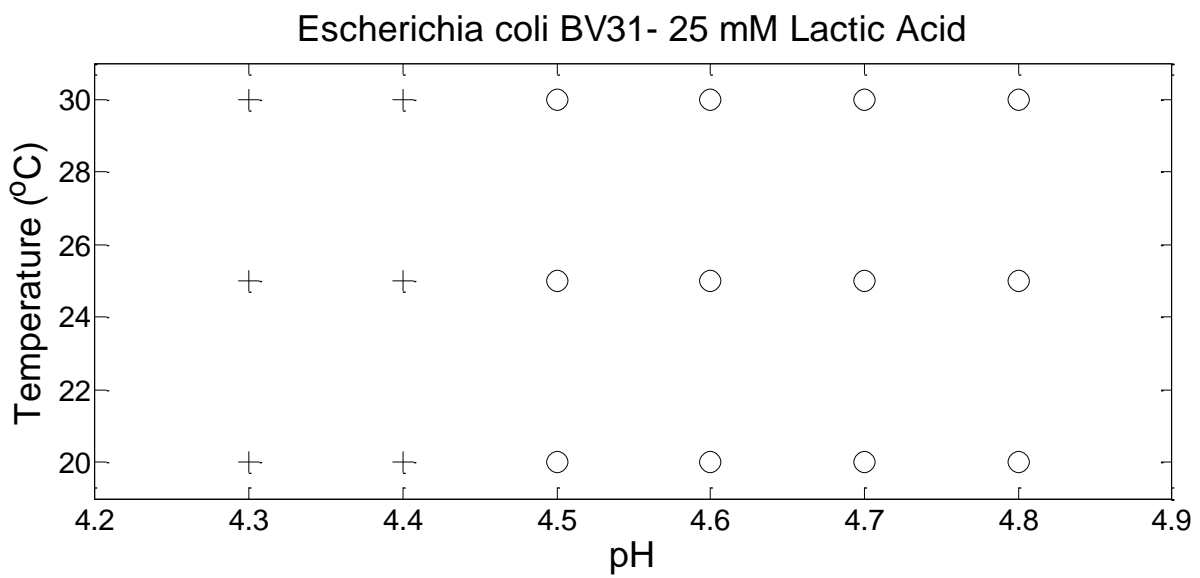
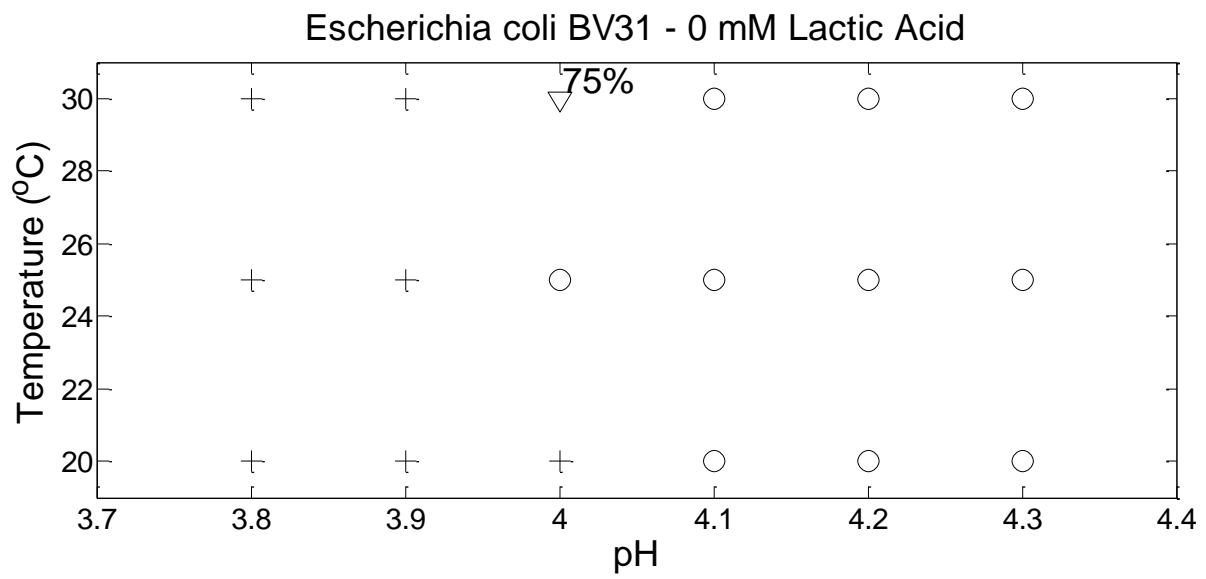
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-19.22	3.52	-5.46	0.00	-26.64	-12.75	0.00	0.00	0.00
pH	4.65	0.83	5.57	0.00	3.12	6.41	104.40	22.61	608.33

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	189.48	
pH	1	45.12	142	144.36	0.00

AIC	148.36
Likelihood Ratio	1.85E-11
Log-Likelihood	-72.18







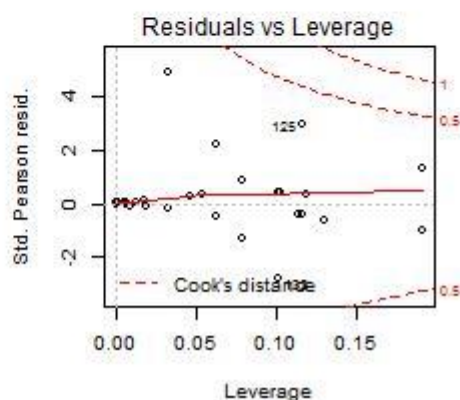
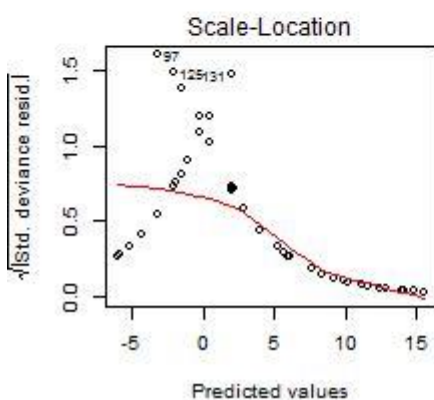
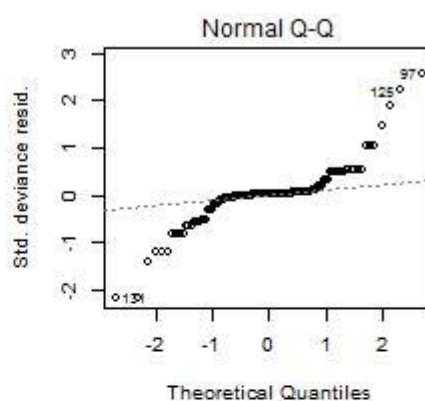
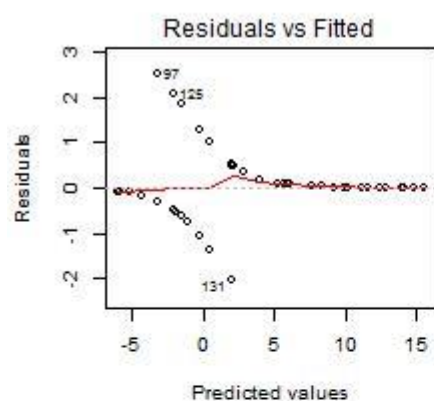


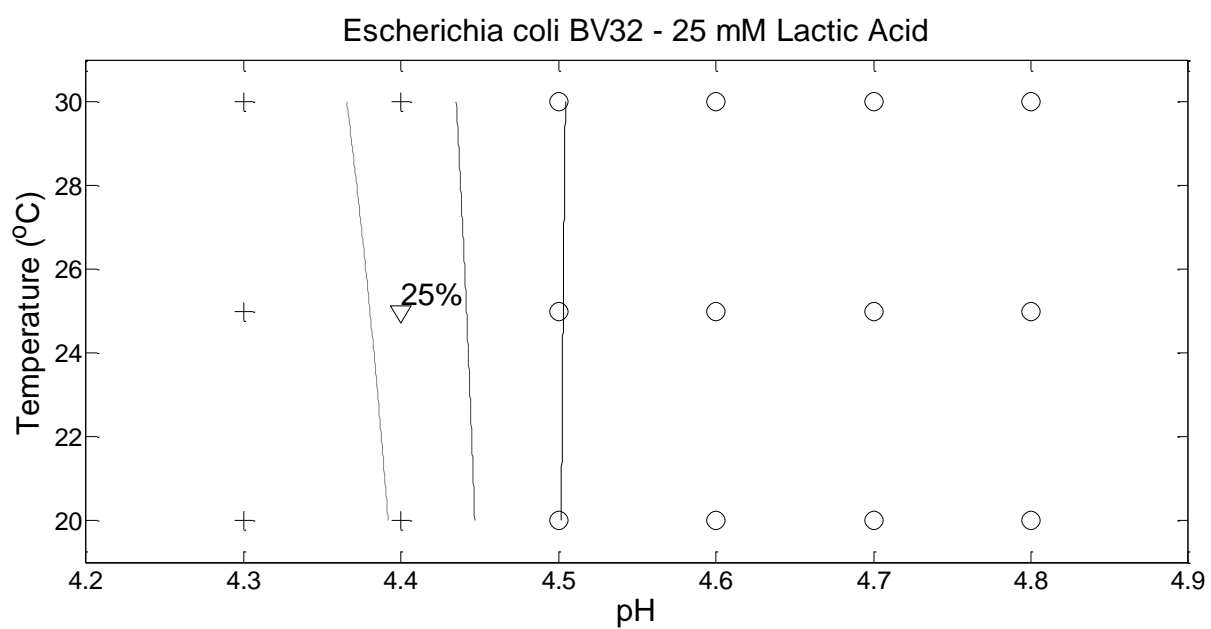
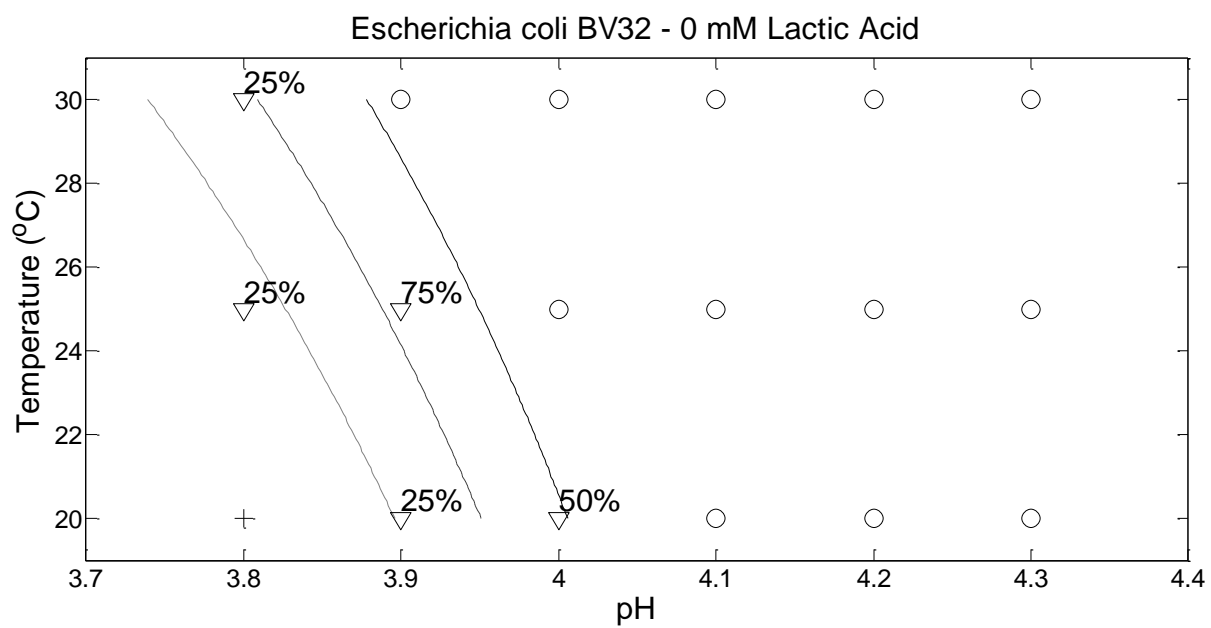
**169. *E.coli* BV32 - isolated from ditch**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-232.64	60.99	-3.81	0.00	-378.28	-131.27	0.00	0.00	0.00
pH	56.61	14.76	3.84	0.00	32.10	91.86	3.83E+24	8.75E+13	7.84E+39
LA	-0.79	0.17	-4.61	0.00	-1.20	-0.51	0.45	0.30	0.60
Temp	3.74	1.64	2.28	0.02	0.83	7.46	41.95	2.29	1732.31
pH:Temp	-0.83	0.39	-2.15	0.03	-1.71	-0.14	0.44	0.18	0.87

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	14.92	142	153.30	0.00
LA	1	98.43	141	54.87	0.00
Temp	1	6.86	140	48.00	0.01
pH:Temp	1	5.72	139	42.28	0.02

<b>AIC</b>	52.28
<b>Likelihood Ratio</b>	2.88E-26
<b>Log-Likelihood</b>	-21.14



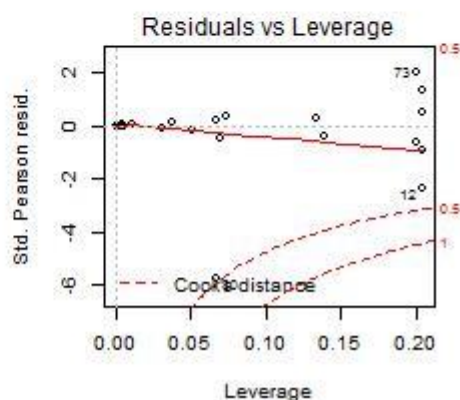
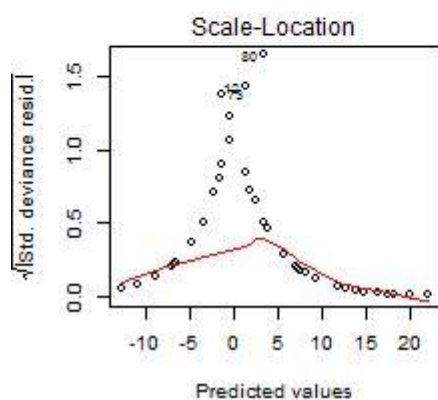
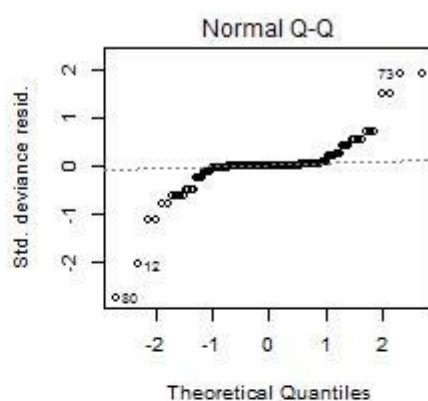
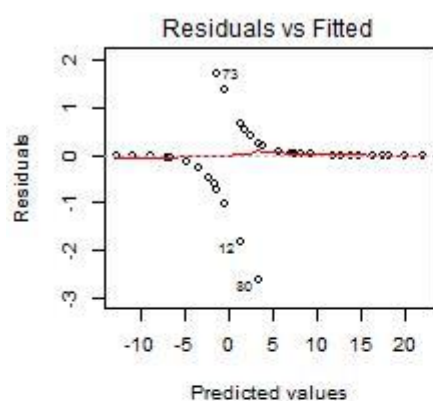


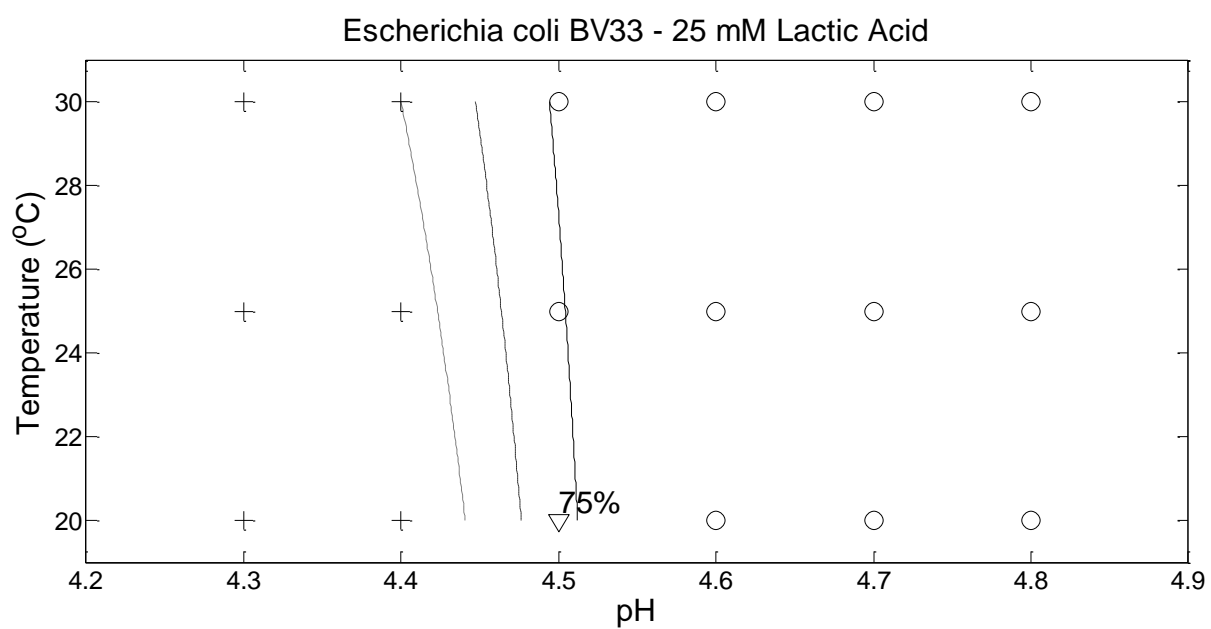
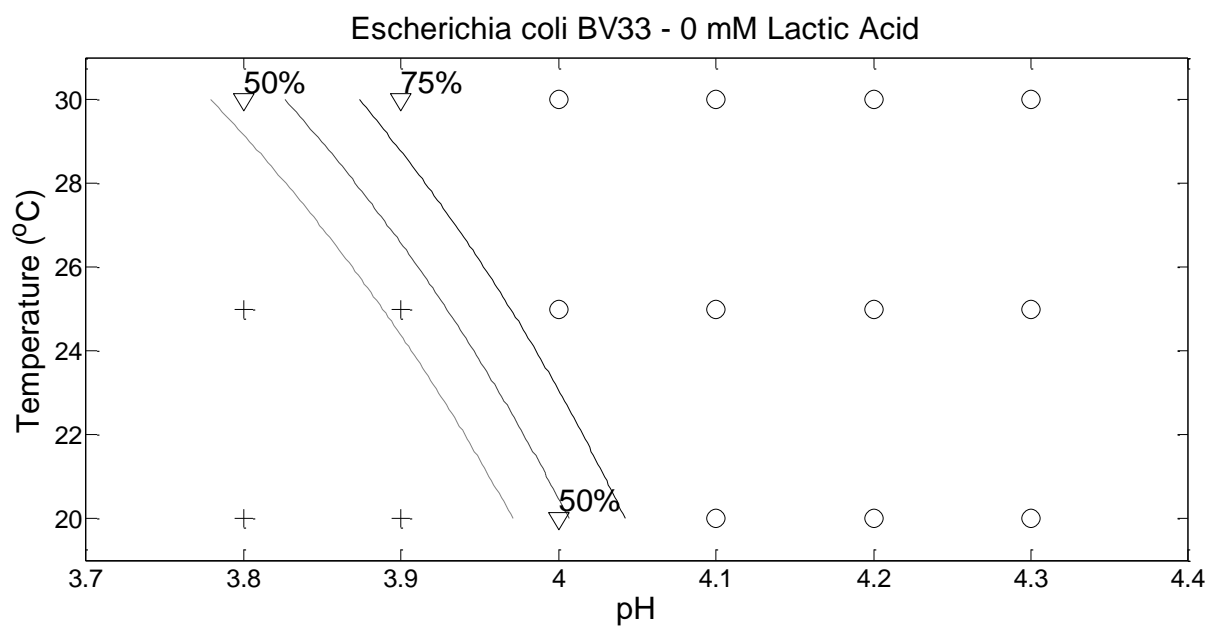
**170. *E.coli* BV33 - isolated from ditch**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-383.70	109.07	-3.52	0.00	-680.62	-214.71	0.00	0.00	0.00
pH	91.57	25.98	3.52	0.00	51.31	162.37	5.89E+39	1.93E+22	3.30E+70
LA	-1.16	0.33	-3.53	0.00	-2.08	-0.68	0.31	0.12	0.51
Temp	6.84	2.41	2.84	0.00	2.78	12.91	938.85	16.09	4.04E+05
pH:Temp	-1.50	0.55	-2.73	0.01	-2.86	-0.56	0.22	0.06	0.57

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	180.42	
pH	1	22.53	142	157.89	0.00
LA	1	104.08	141	53.80	0.00
Temp	1	13.51	140	40.29	0.00
pH:Temp	1	11.27	139	29.02	0.00

<b>AIC</b>	39.02
<b>Likelihood Ratio</b>	1.02E-31
<b>Log-Likelihood</b>	-14.51





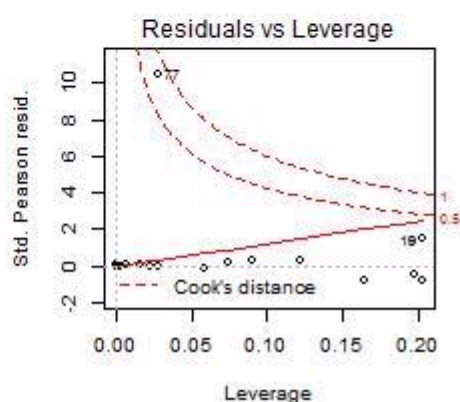
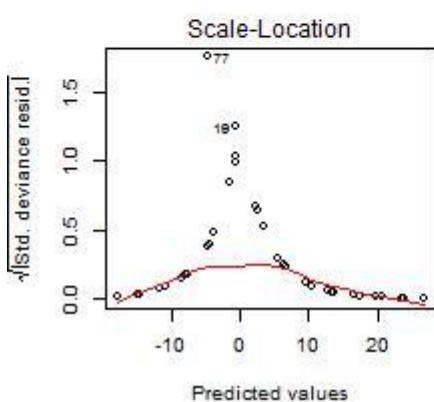
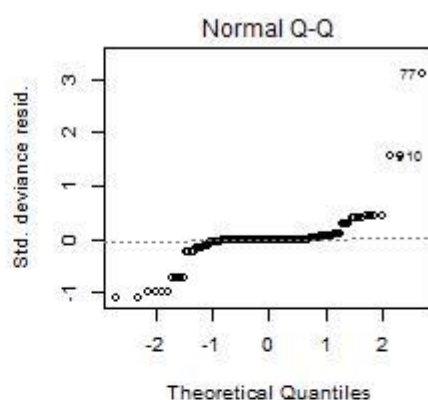
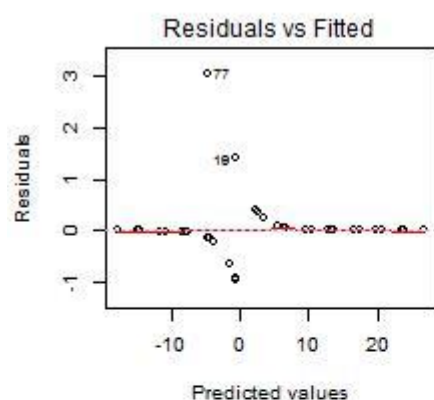


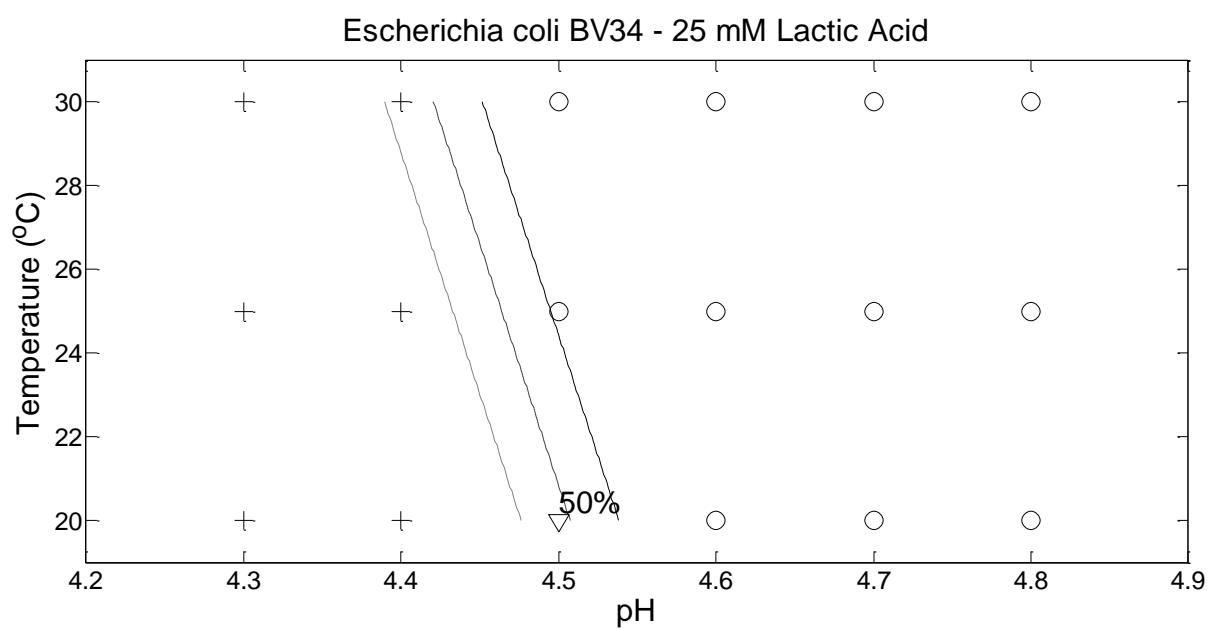
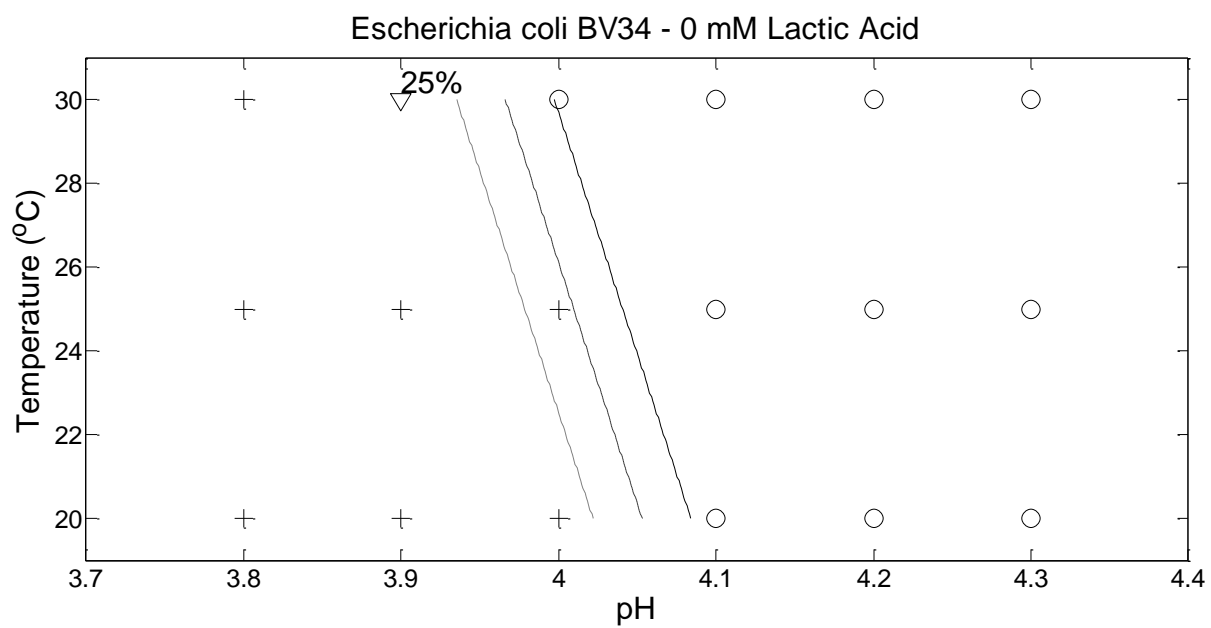
**171. *E.coli* BV34 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-298.78	90.73	-3.29	0.00	-551.57	-167.57	0.00	0.00	0.00
pH	70.69	21.44	3.30	0.00	39.68	130.32	5.03E+30	1.70E+17	3.95E+56
LA	-1.28	0.39	-3.33	0.00	-2.36	-0.72	0.28	0.09	0.49
Temp	0.61	0.23	2.63	0.01	0.25	1.23	1.85	1.29	3.43

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	193.33	
pH	1	44.44	142	148.89	0.00
LA	1	111.04	141	37.84	0.00
Temp	1	15.71	140	22.14	0.00

<b>AIC</b>	30.14
<b>Likelihood Ratio</b>	7.03E-37
<b>Log-Likelihood</b>	-11.07



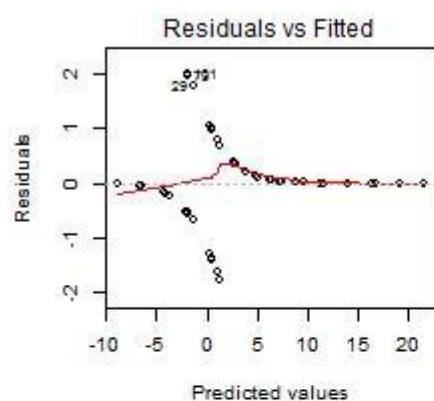


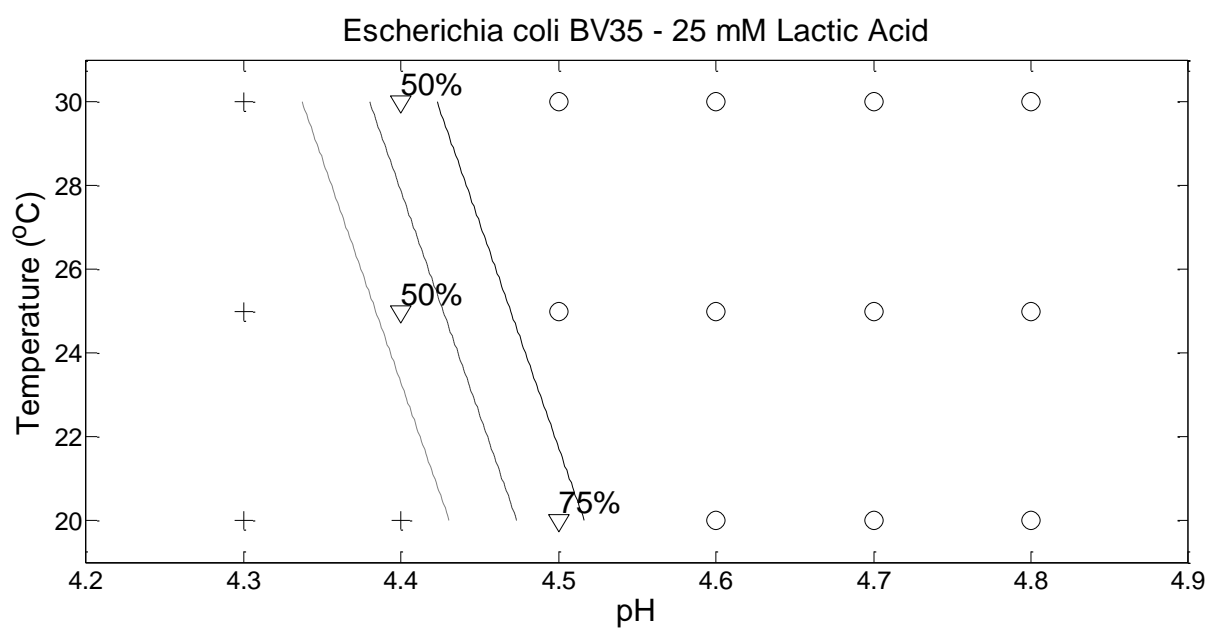
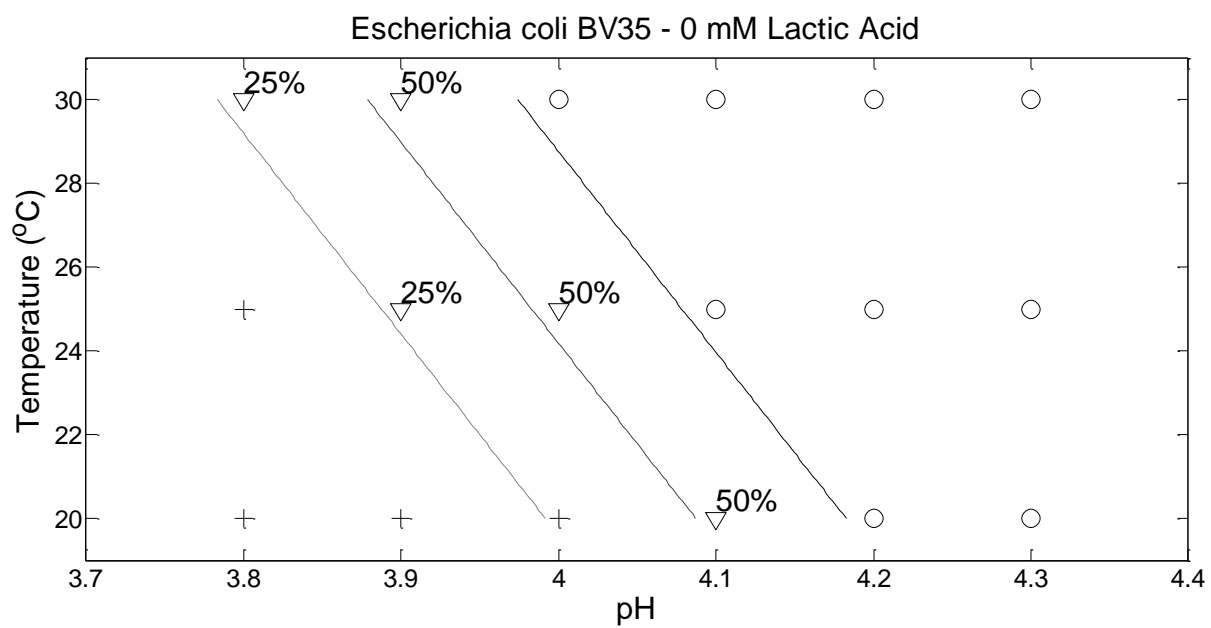
172. *E.coli* BV35 - isolated from minced meet

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-103.65	23.91	-4.33	0.00	-160.37	-64.55	0.00	0.00	0.00
pH	23.01	5.41	4.26	0.00	14.17	35.84	9.87E+09	1.43E+06	3.66E+15
LA	-5.42	2.44	-2.22	0.03	-11.43	-1.53	0.00	0.00	0.22
Temp	0.48	0.13	3.61	0.00	0.25	0.78	1.62	1.29	2.19
pH:LA	1.13	0.55	2.06	0.04	0.25	2.49	3.10	1.28	12.02

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	39.83	142	144.84	0.00
LA	1	67.95	141	76.89	0.00
Temp	1	21.11	140	55.78	0.00
pH:LA	1	6.98	139	48.80	0.01

<b>AIC</b>	58.80
<b>Likelihood Ratio</b>	2.16E-28
<b>Log-Likelihood</b>	-24.40



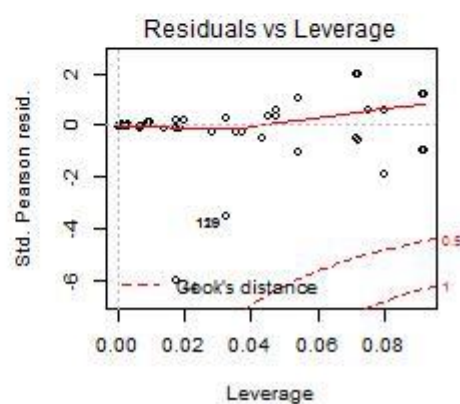
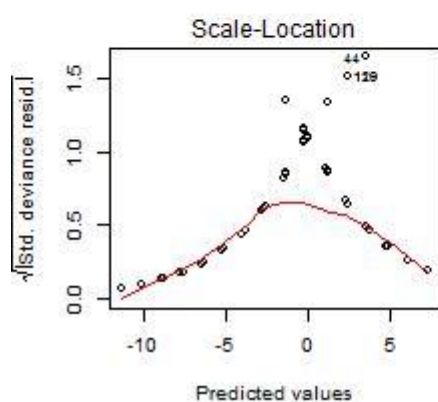
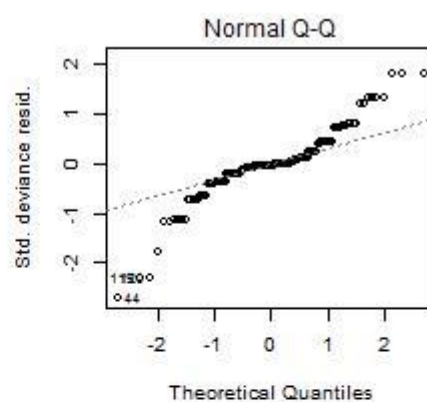
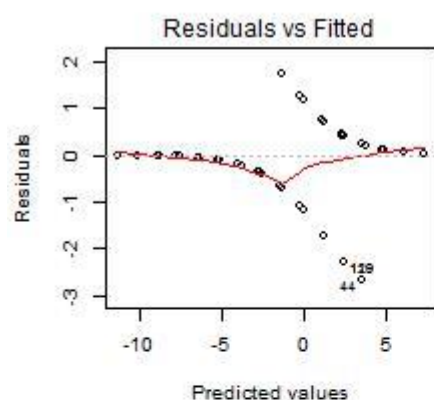


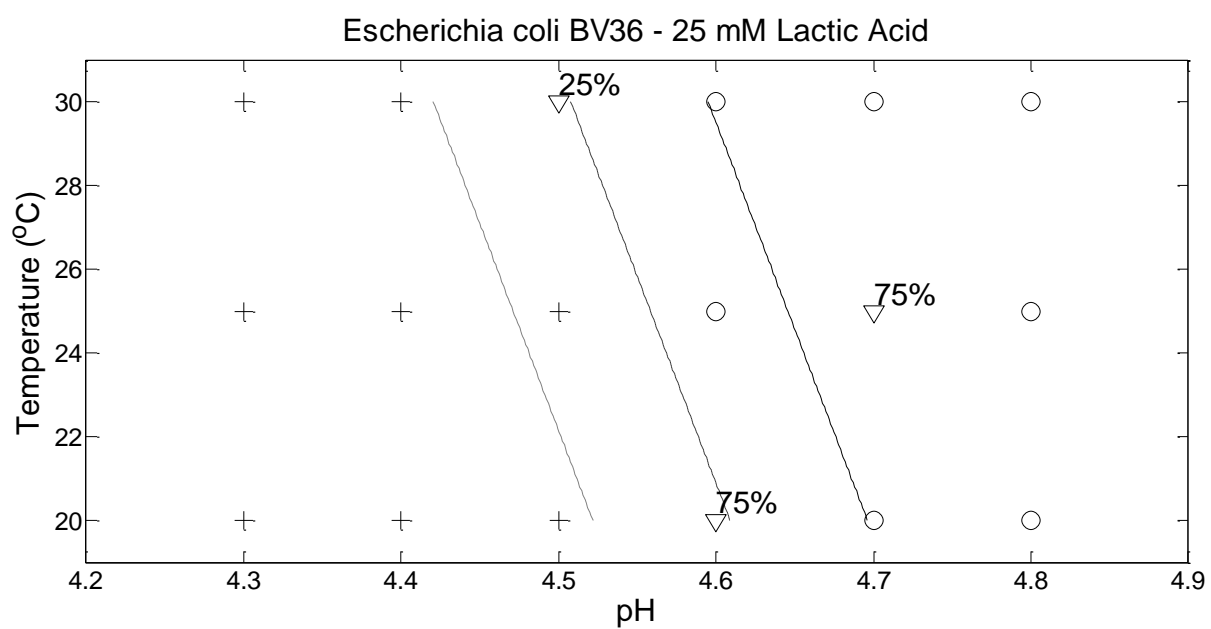
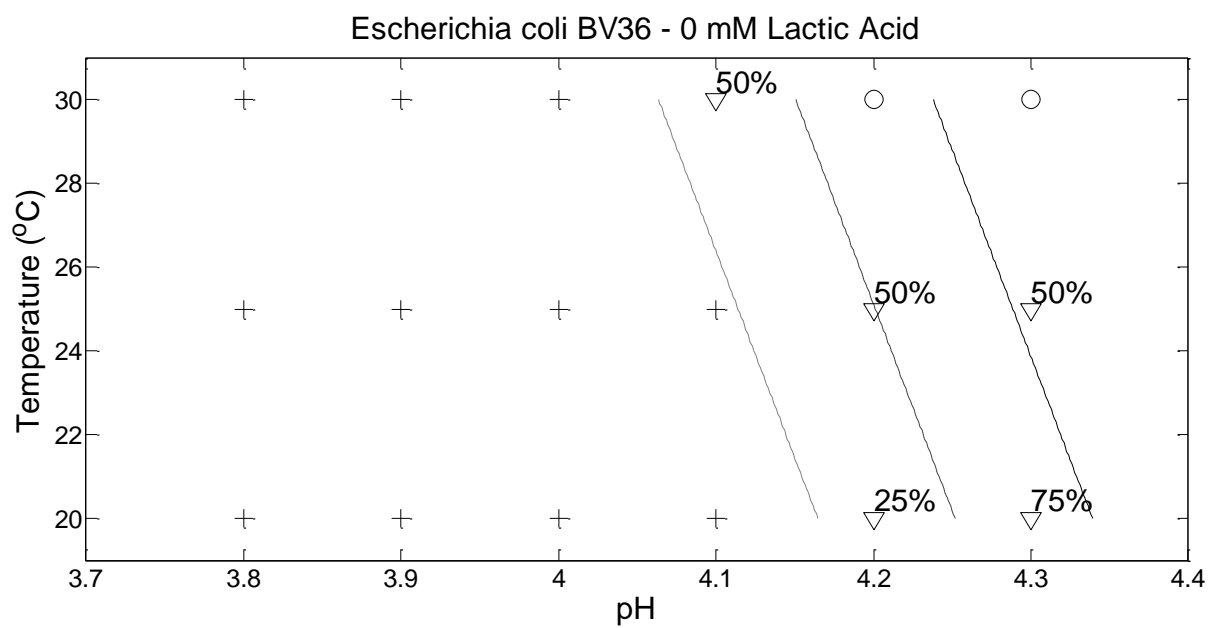
### 173. *E.coli* BV36 - isolated from horse feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-112.19	21.20	-5.29	0.00	-161.35	-76.94	0.00	0.00	0.00
pH	25.19	4.76	5.30	0.00	17.27	36.21	8.69E+10	3.16E+07	5.30E+15
LA	-0.36	0.07	-4.89	0.00	-0.53	-0.23	0.70	0.59	0.79
Temp	0.25	0.09	2.76	0.01	0.09	0.45	1.29	1.09	1.58

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	189.48	
pH	1	63.19	142	126.29	0.00
LA	1	55.75	141	70.54	0.00
Temp	1	9.46	140	61.08	0.00

<b>AIC</b>	69.08
<b>Likelihood Ratio</b>	1.19E-27
<b>Log-Likelihood</b>	-30.54



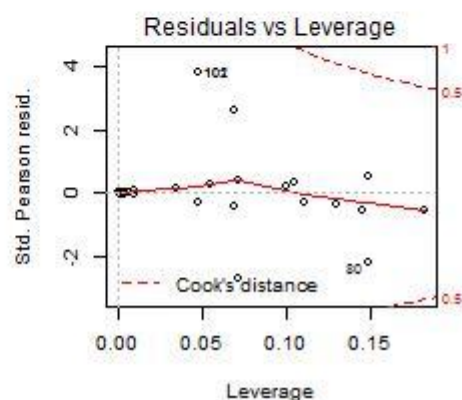
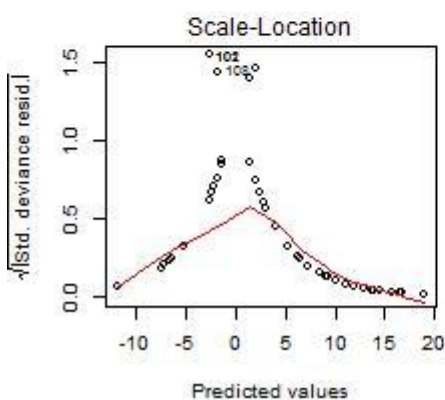
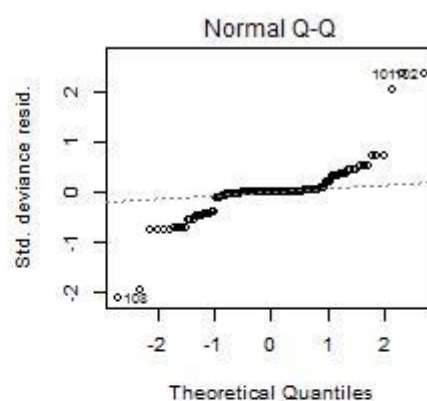
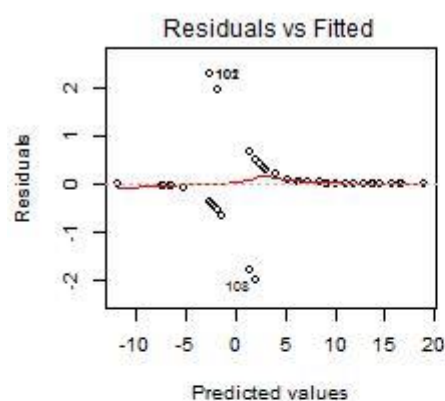


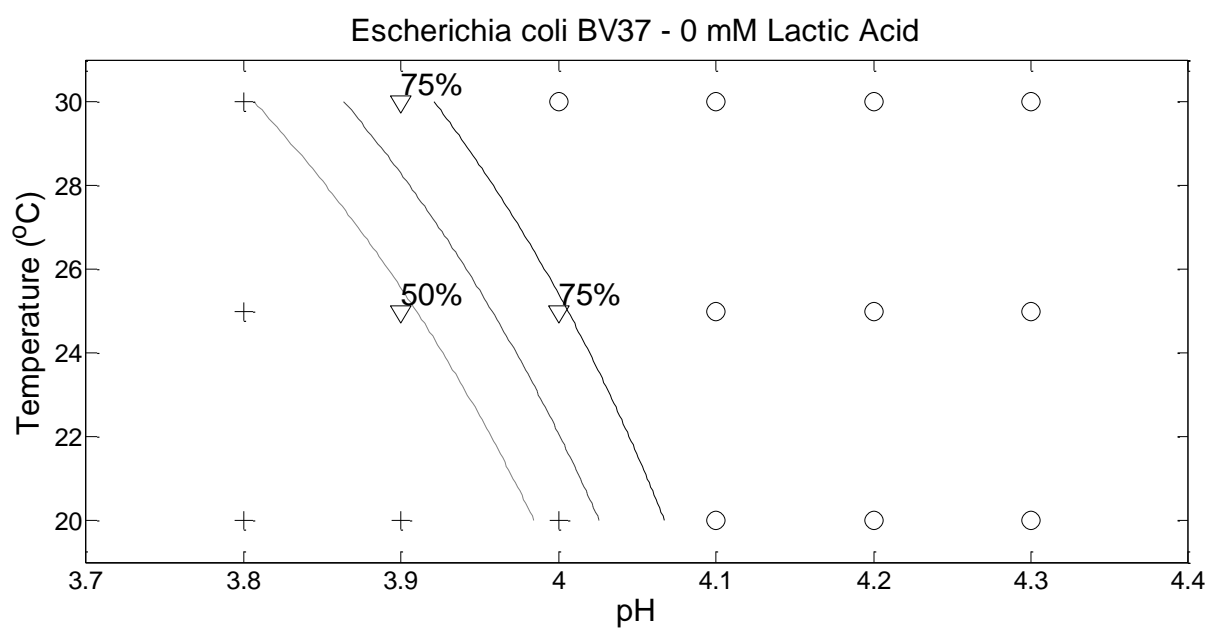
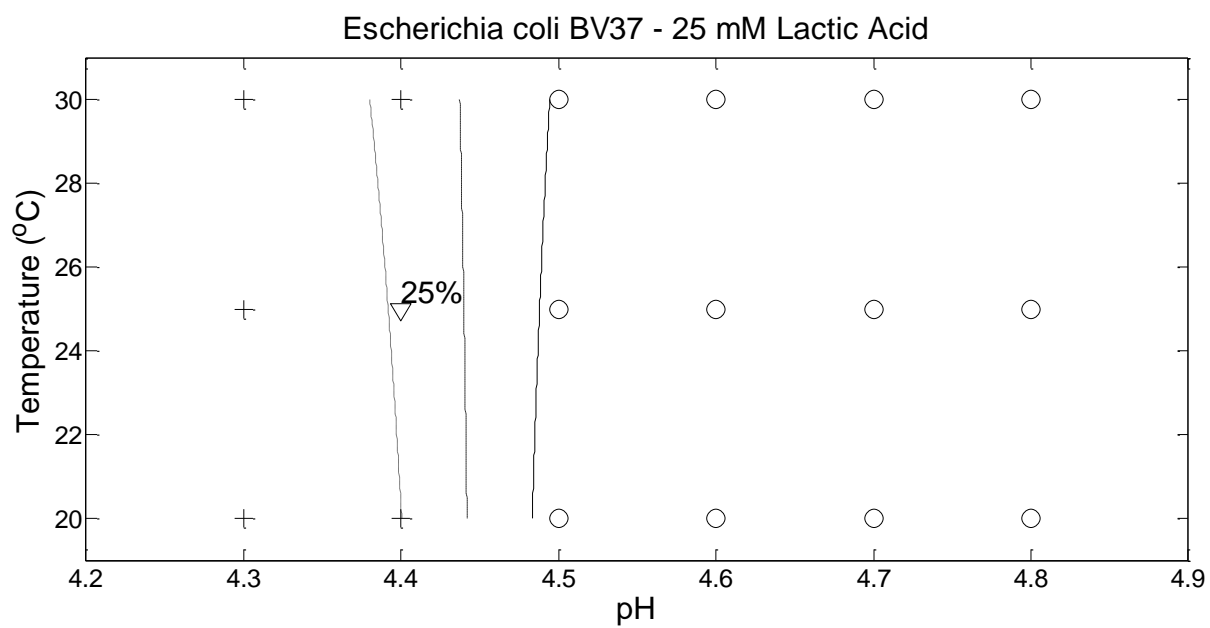
**174. *E.coli* BV37 - isolated from goose feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-343.05	88.24	-3.89	0.00	-555.47	-198.19	0.00	0.00	0.00
pH	82.12	21.20	3.87	0.00	47.43	133.29	4.59E+35	3.98E+20	7.68E+57
LA	-0.88	0.20	-4.50	0.00	-1.35	-0.56	0.41	0.26	0.57
Temp	6.48	2.34	2.77	0.01	2.51	11.98	655.13	12.28	1.60E+05
pH:Temp	-1.46	0.55	-2.64	0.01	-2.75	-0.52	0.23	0.06	0.60

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	31.78	142	150.12	0.00
LA	1	96.97	141	53.14	0.00
Temp	1	10.28	140	42.86	0.00
pH:Temp	1	10.54	139	32.32	0.00

<b>AIC</b>	42.32
<b>Likelihood Ratio</b>	2.51E-31
<b>Log-Likelihood</b>	-16.16





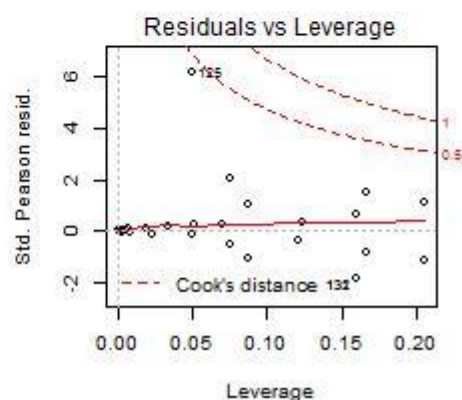
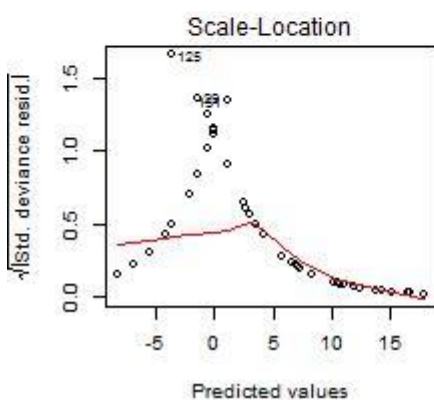
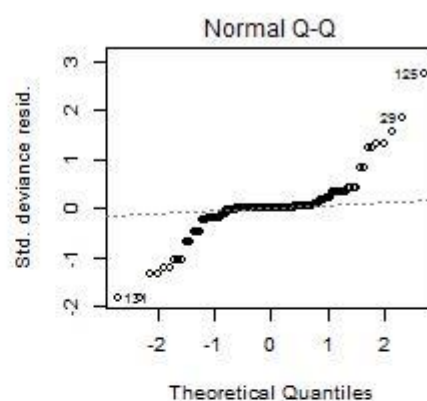
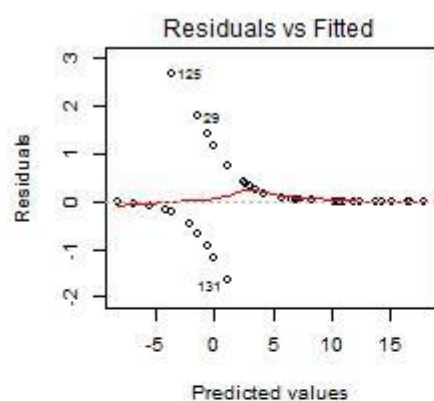


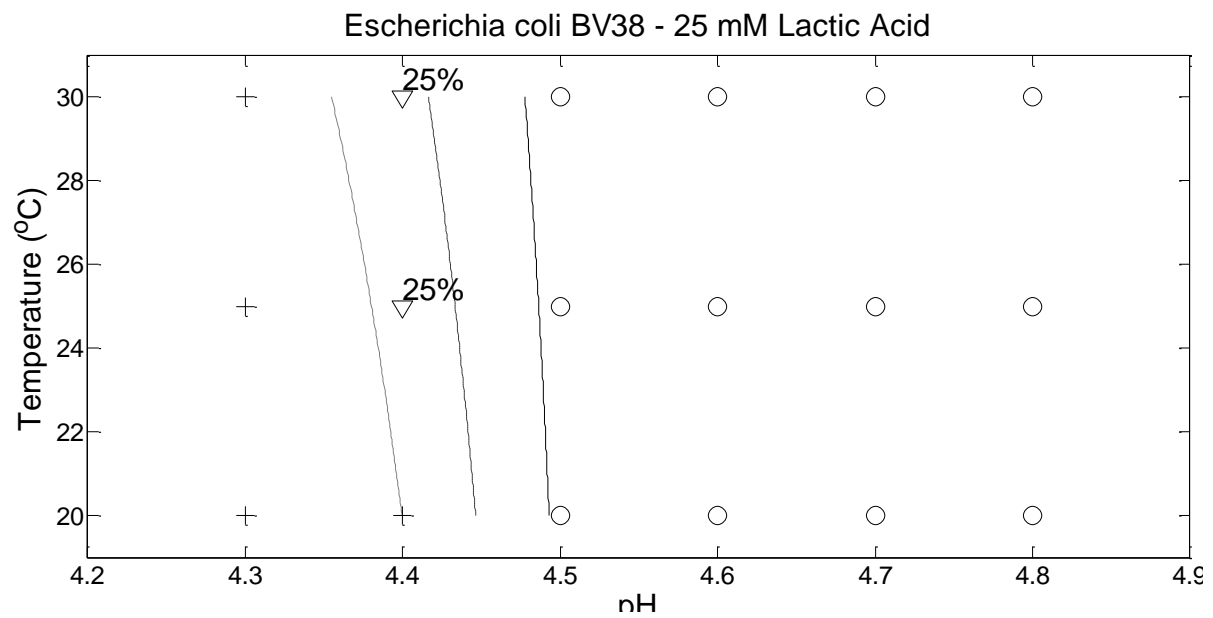
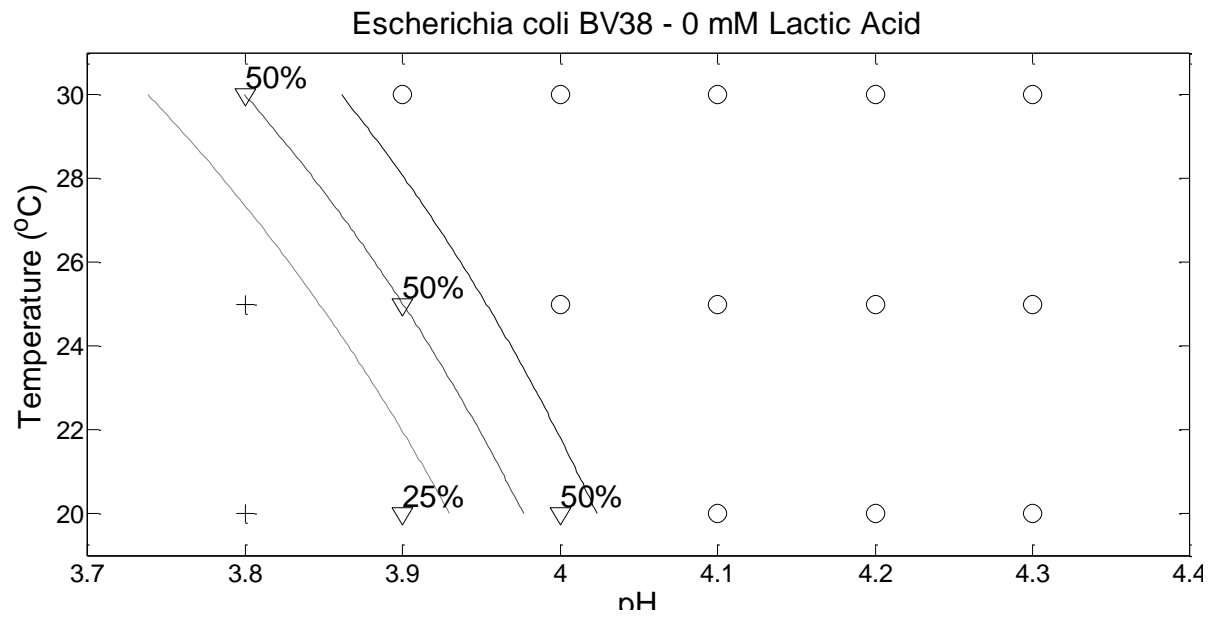
**175. *E.coli* BV38 - isolated from rabbit feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-288.72	81.69	-3.53	0.00	-500.80	-160.28	0.00	0.00	0.00
pH	69.42	19.61	3.54	0.00	38.61	120.41	1.40E+30	5.87E+16	1.97E+52
LA	-0.88	0.21	-4.13	0.00	-1.43	-0.55	0.41	0.24	0.58
Temp	5.09	2.04	2.50	0.01	1.64	10.05	162.21	5.15	2.31E+04
pH:Temp	-1.12	0.48	-2.36	0.02	-2.27	-0.31	0.33	0.10	0.73

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	168.22	
pH	1	17.61	142	150.61	0.00
LA	1	93.00	141	57.61	0.00
Temp	1	12.09	140	45.52	0.00
pH:Temp	1	8.00	139	37.53	0.00

<b>AIC</b>	47.53
<b>Likelihood Ratio</b>	2.77E-27
<b>Log-Likelihood</b>	-18.76



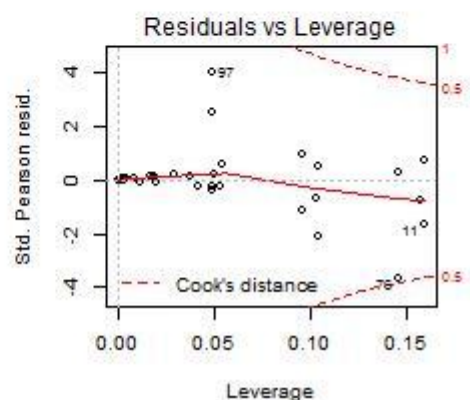
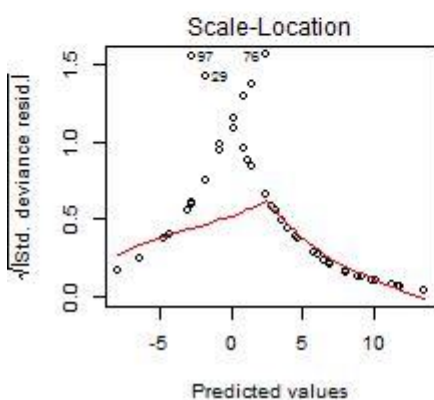
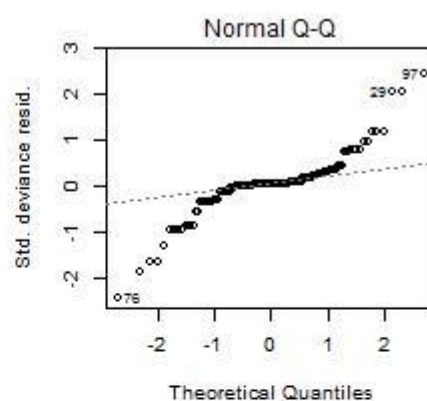
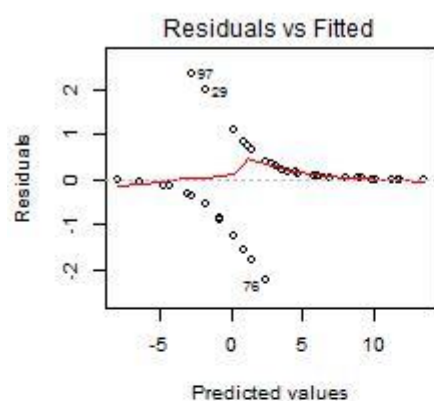


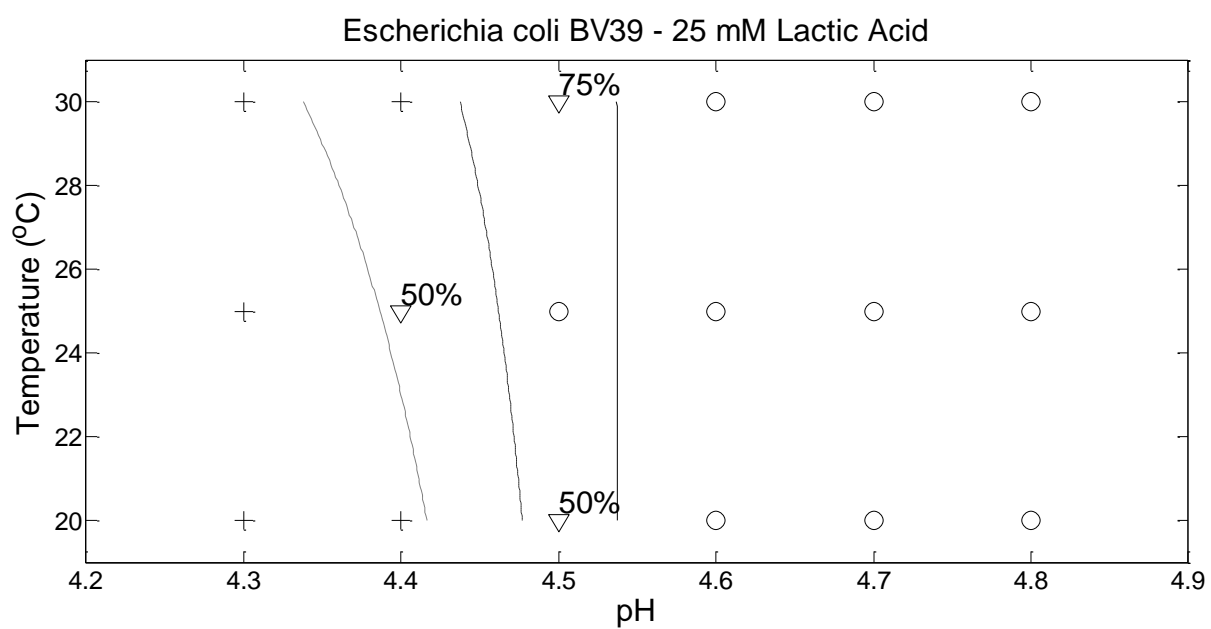
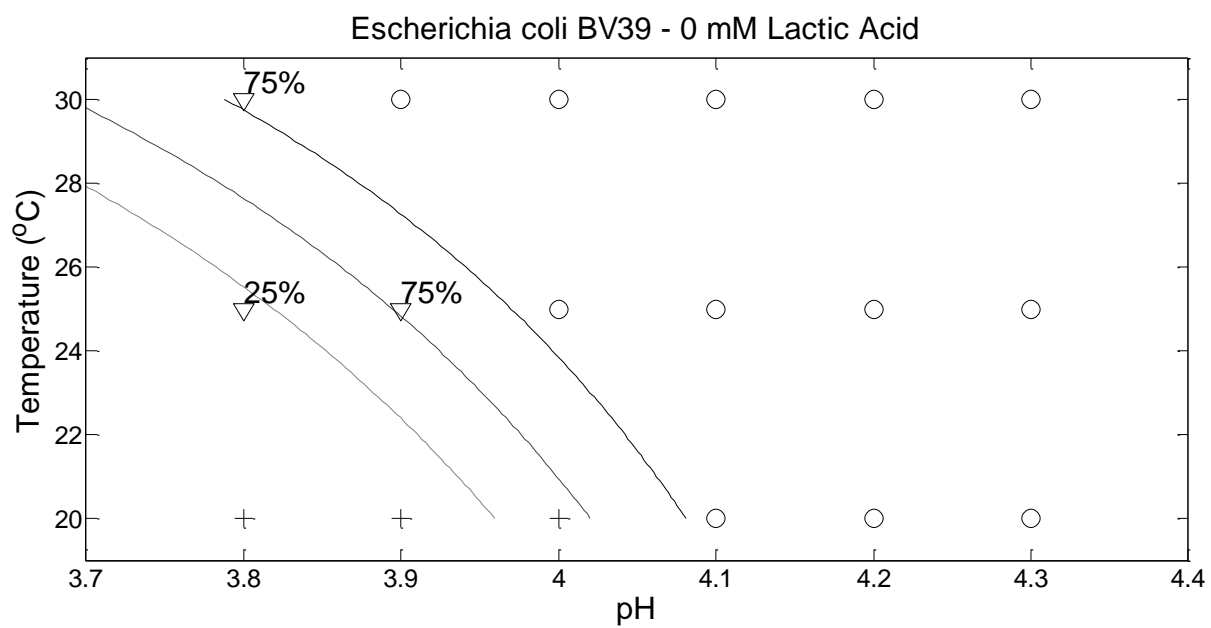
**176. *E.coli* BV39 - isolated from rabbit feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-273.52	64.84	-4.22	0.00	-425.59	-165.49	0.00	0.00	0.00
pH	64.40	15.25	4.22	0.00	38.94	100.03	9.27E+27	8.17E+16	2.78E+43
LA	-0.66	0.14	-4.64	0.00	-1.01	-0.43	0.52	0.37	0.65
Temp	6.40	1.97	3.25	0.00	3.09	11.13	604.09	21.91	6.81E+04
pH:Temp	-1.41	0.45	-3.13	0.00	-2.48	-0.65	0.24	0.08	0.52

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	173.85	
pH	1	11.89	142	161.96	0.00
LA	1	80.02	141	81.94	0.00
Temp	1	19.04	140	62.90	0.00
pH:Temp	1	16.07	139	46.83	0.00

<b>AIC</b>	56.83
<b>Likelihood Ratio</b>	1.69E-26
<b>Log-Likelihood</b>	-23.41



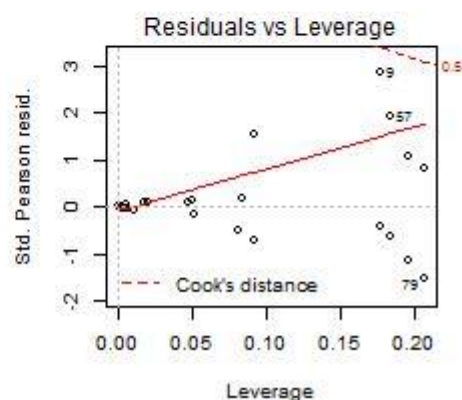
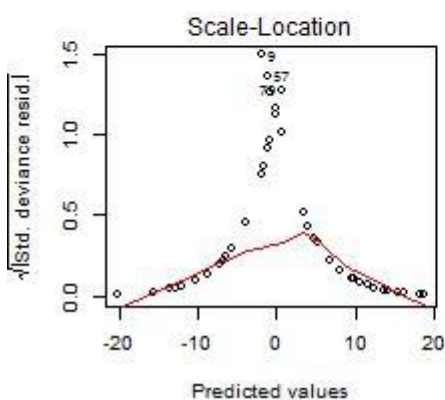
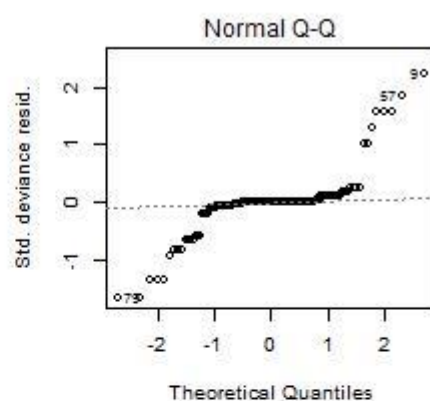
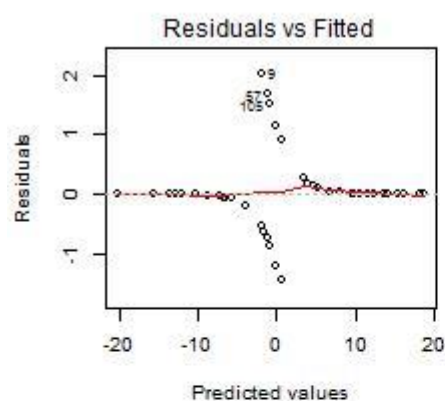


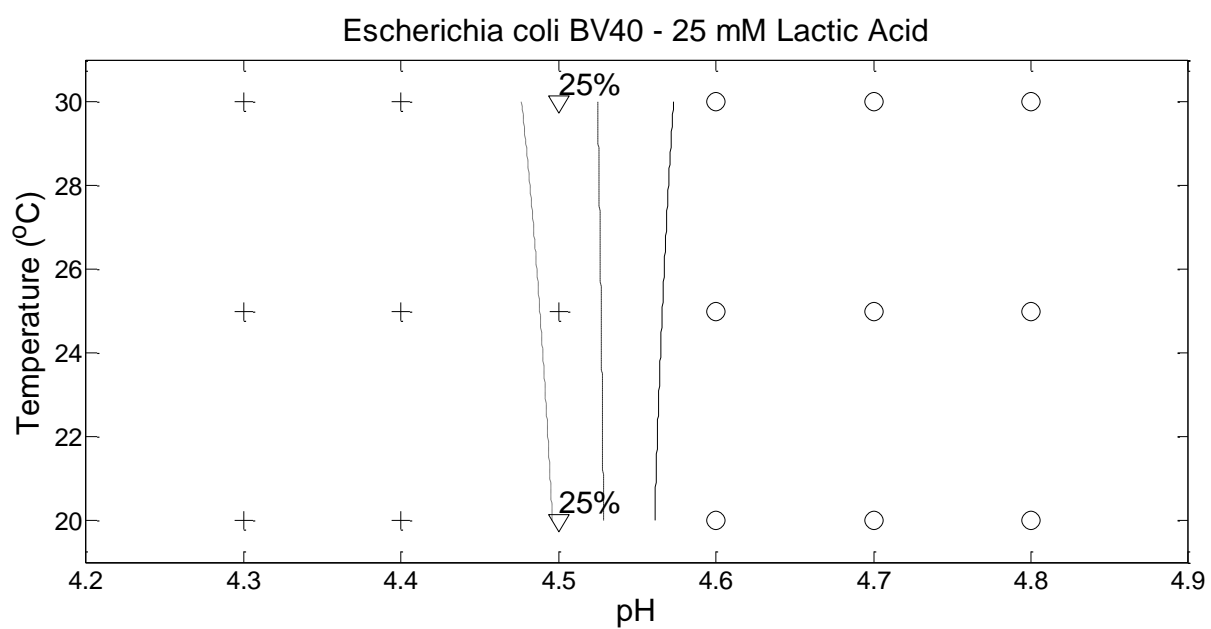
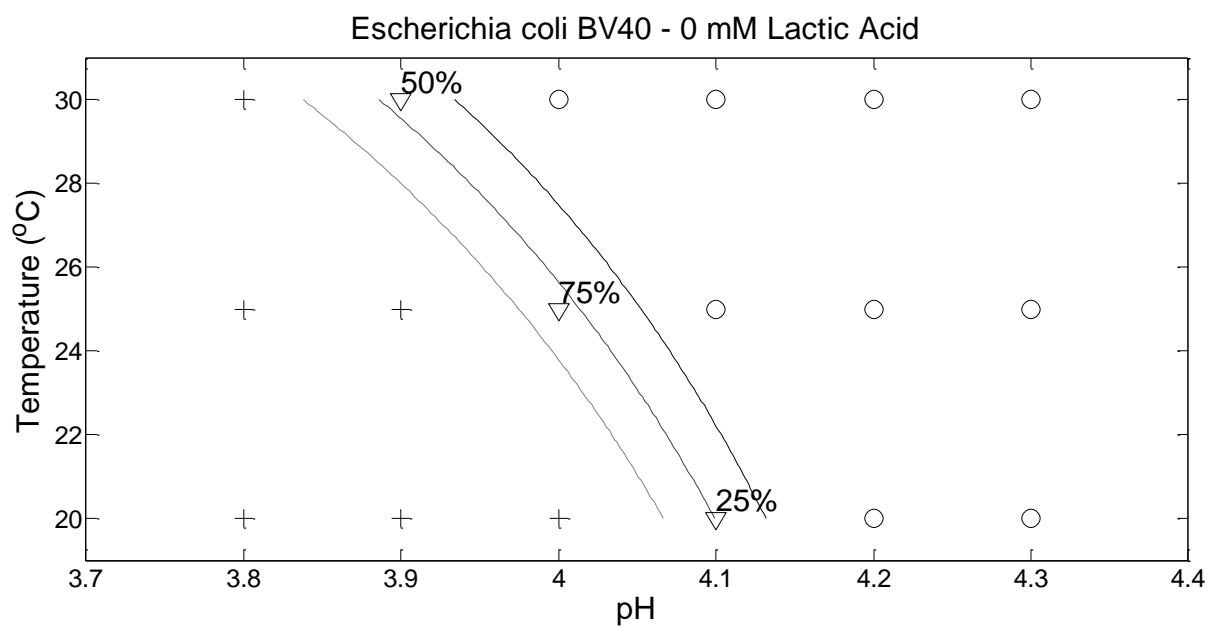
**177. *E.coli* BV40 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-478.37	162.04	-2.95	0.00	-973.38	-253.34	0.00	0.00	0.00
pH	111.98	38.09	2.94	0.00	59.20	228.27	4.27E+48	5.12E+25	1.37E+99
LA	-1.16	0.36	-3.26	0.00	-2.28	-0.67	0.31	0.10	0.51
Temp	10.06	3.81	2.64	0.01	4.47	20.91	2.33E+04	87.73	1.20E+09
pH:Temp	-2.22	0.86	-2.57	0.01	-4.64	-0.95	0.11	0.01	0.39

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	197.84	
pH	1	25.83	142	172.01	0.00
LA	1	108.80	141	63.22	0.00
Temp	1	14.20	140	49.01	0.00
pH:Temp	1	17.98	139	31.04	0.00

<b>AIC</b>	41.04
<b>Likelihood Ratio</b>	5.07E-35
<b>Log-Likelihood</b>	-15.52



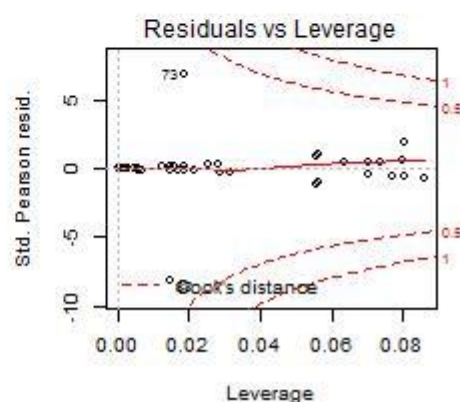
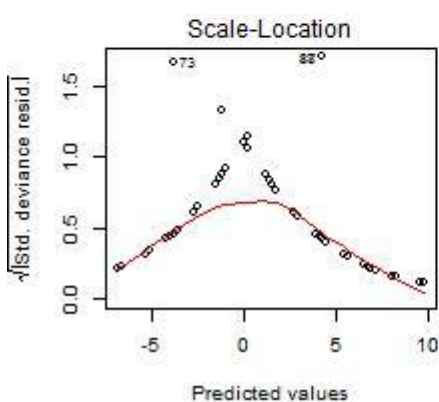
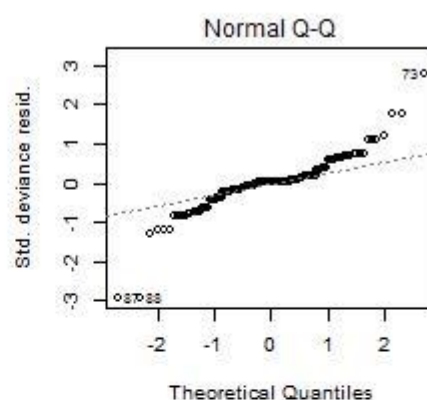
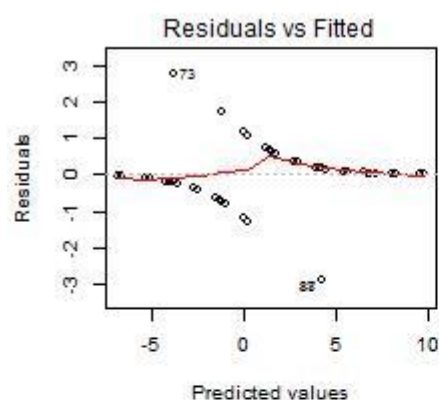


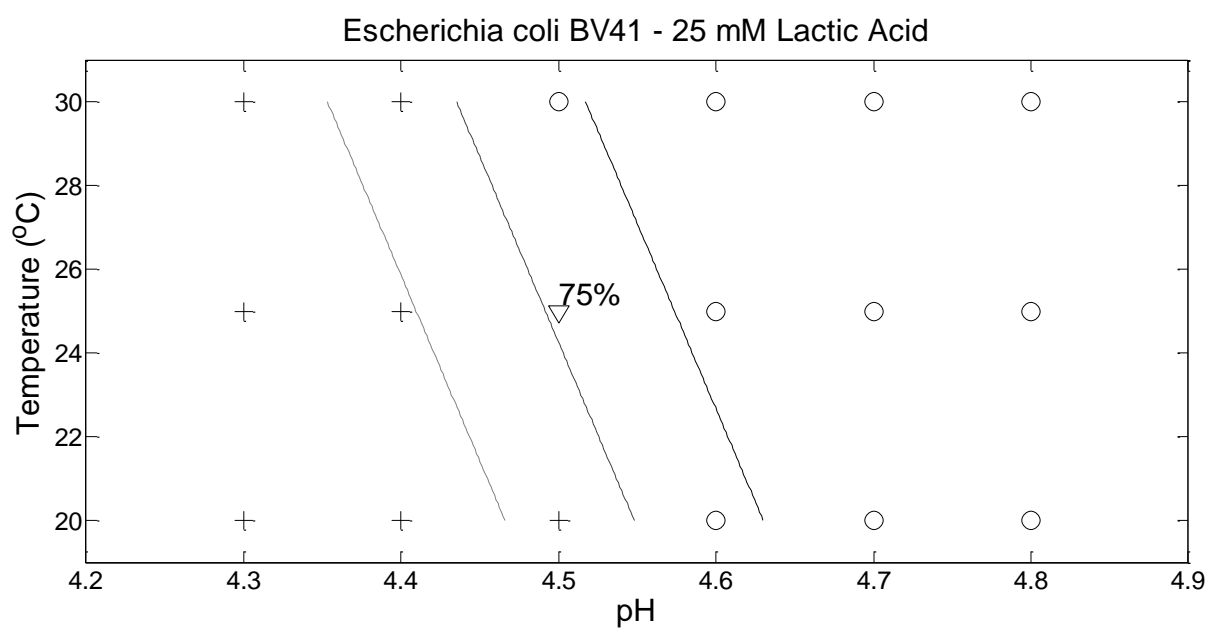
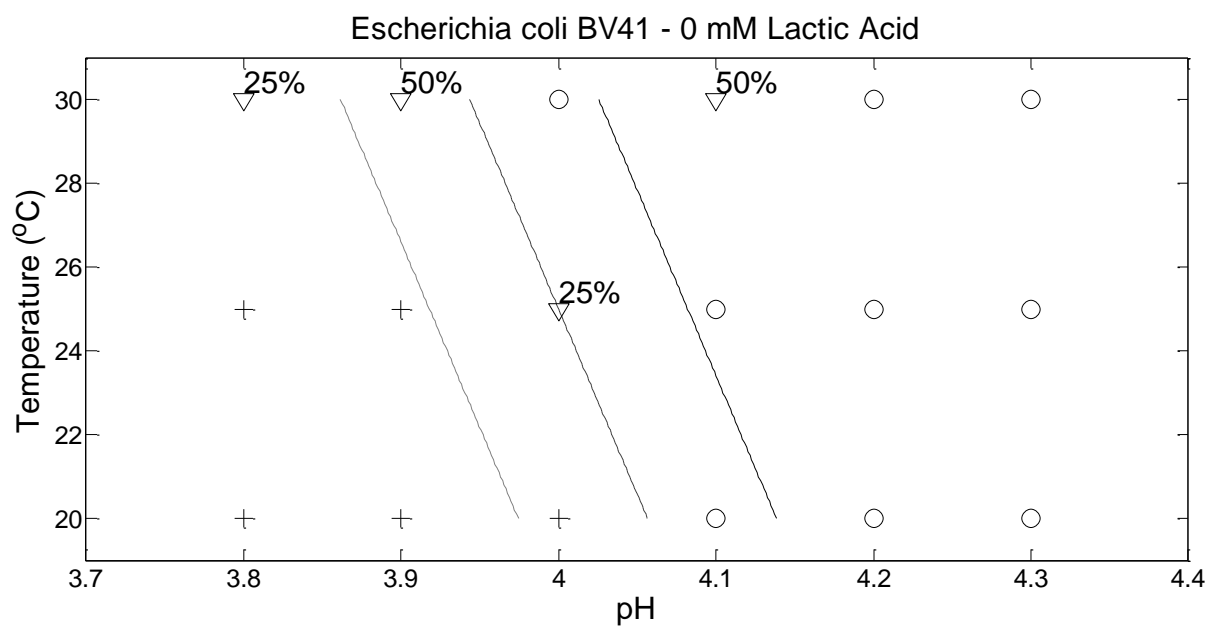
**178. *E.coli* BV41 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-114.73	21.49	-5.34	0.00	-164.68	-79.11	0.00	0.00	0.00
pH	26.79	4.99	5.37	0.00	18.51	38.38	4.33E+11	1.09E+08	4.65E+16
LA	-0.53	0.10	-5.18	0.00	-0.76	-0.36	0.59	0.47	0.70
Temp	0.30	0.10	3.02	0.00	0.12	0.52	1.35	1.13	1.69

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	32.58	142	162.33	0.00
LA	1	91.52	141	70.81	0.00
Temp	1	12.28	140	58.53	0.00

<b>AIC</b>	66.53
<b>Likelihood Ratio</b>	2.28E-29
<b>Log-Likelihood</b>	-29.26





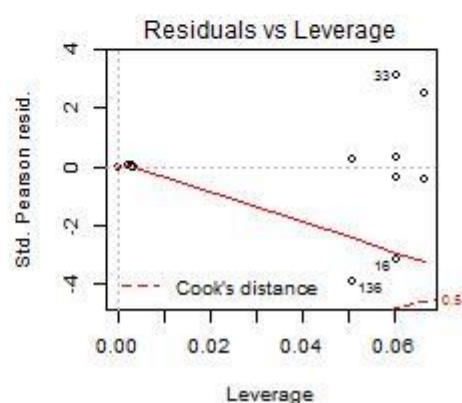
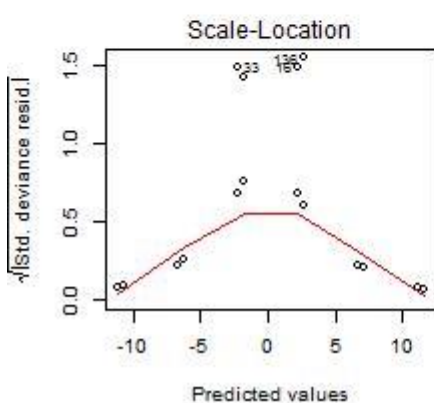
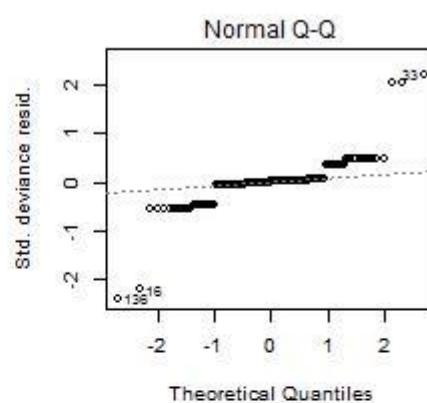
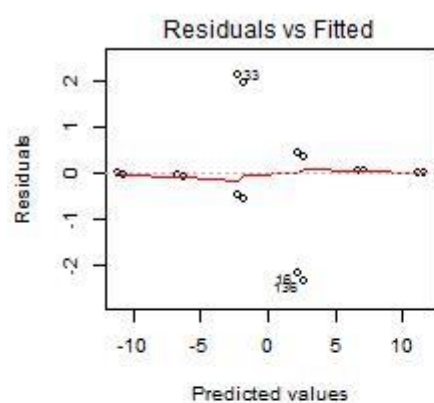


**179. *E.coli* BV42 - isolated from horse feces**

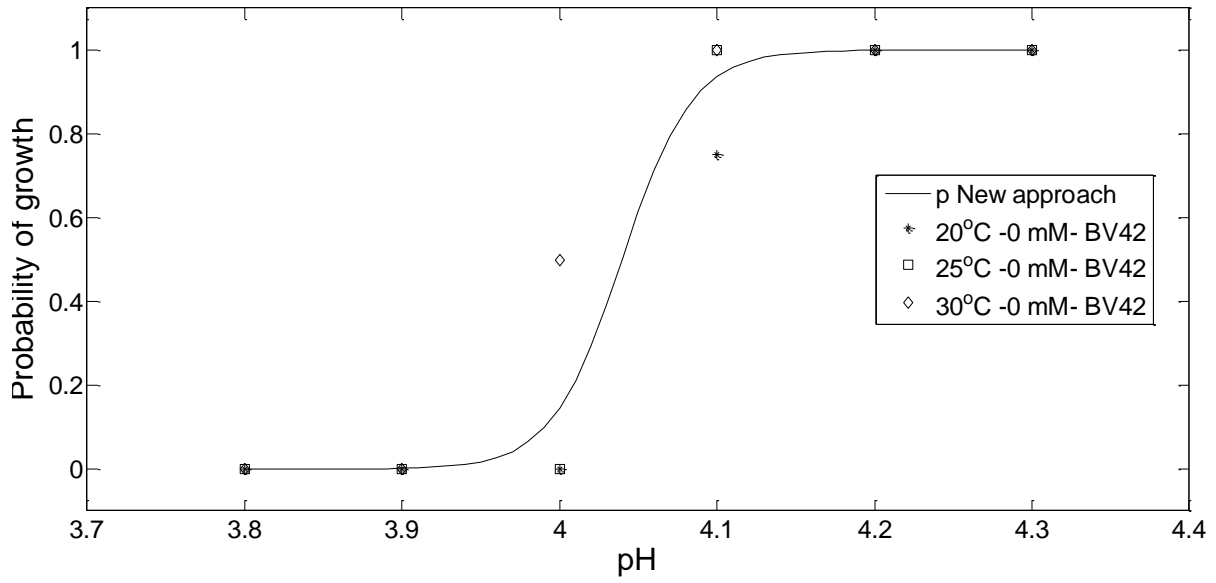
	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-180.74	37.79	-4.78	0.00	-269.70	-118.39	0.00	0.00	0.00
pH	44.74	9.37	4.77	0.00	29.30	66.86	2.70E+19	5.29E+12	1.08E+29
LA	-0.91	0.20	-4.61	0.00	-1.39	-0.59	0.40	0.25	0.55

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	199.60	
pH	1	34.92	142	164.67	0.00
LA	1	132.91	141	31.76	0.00

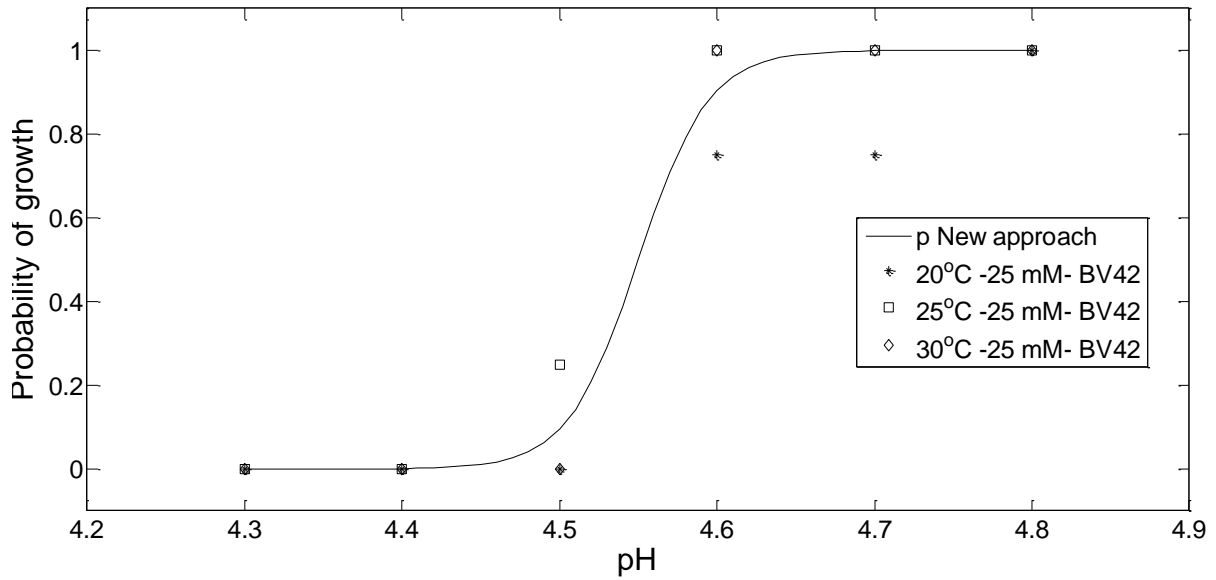
<b>AIC</b>	37.76
<b>Likelihood Ratio</b>	3.58E-37
<b>Log-Likelihood</b>	-15.88

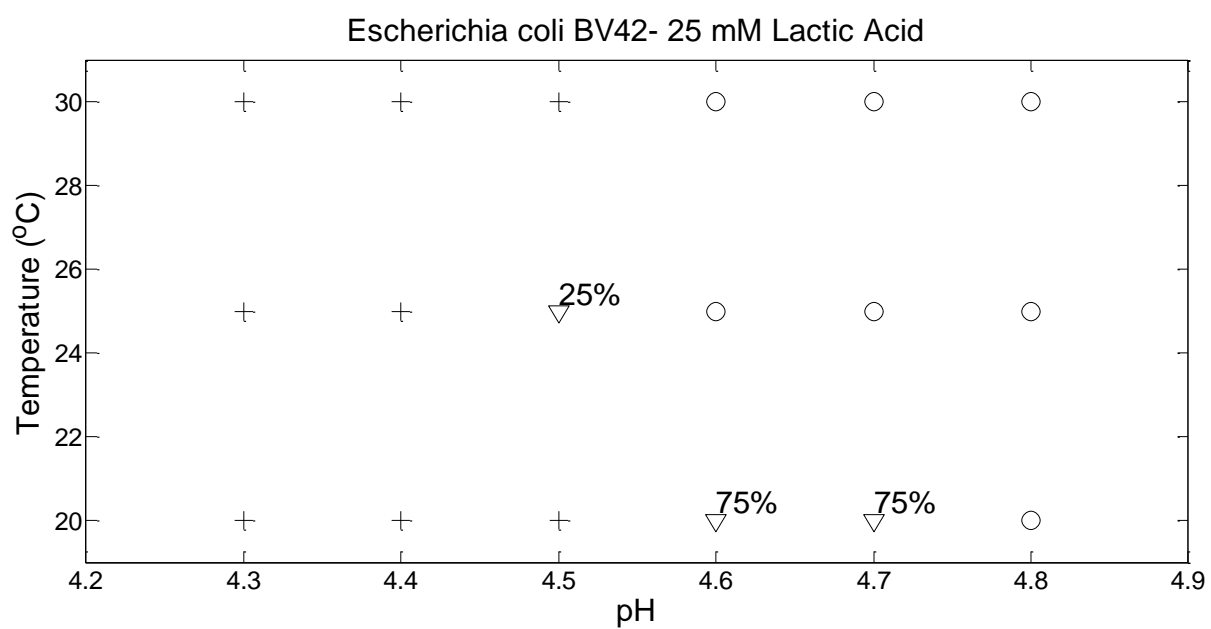
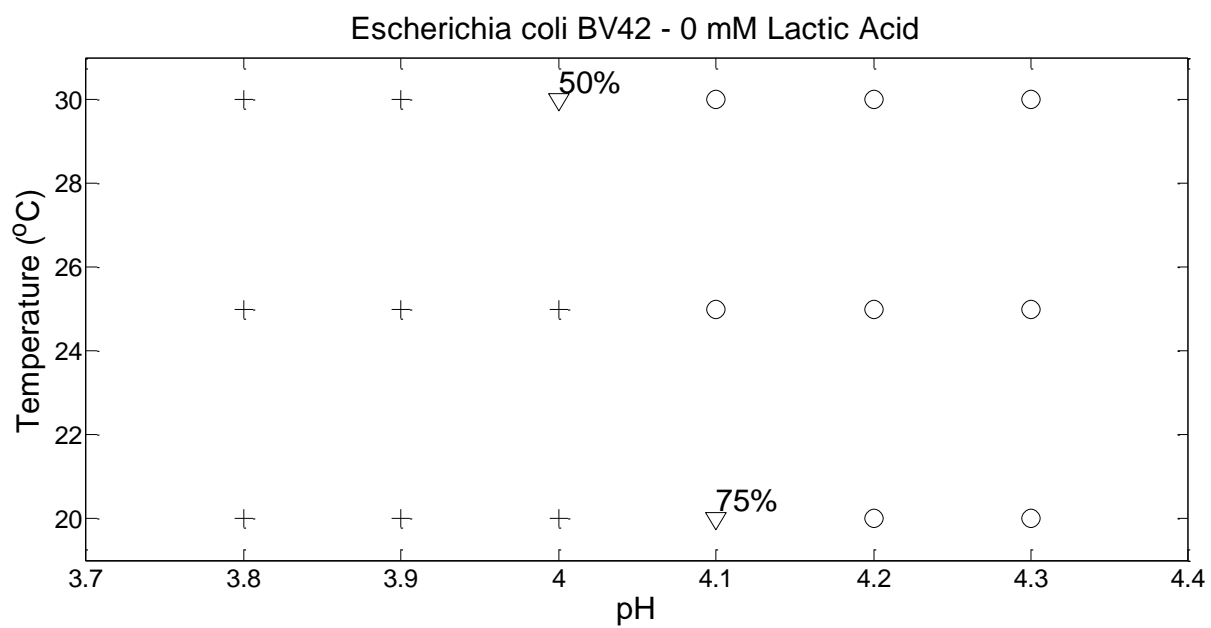


Escherichia coli BV42 - 0 mM Lactic Acid



Escherichia coli BV42 - 25 mM Lactic Acid





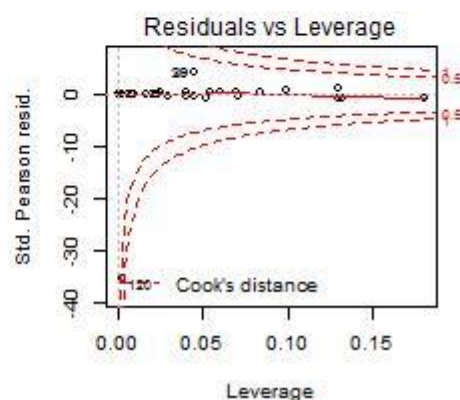
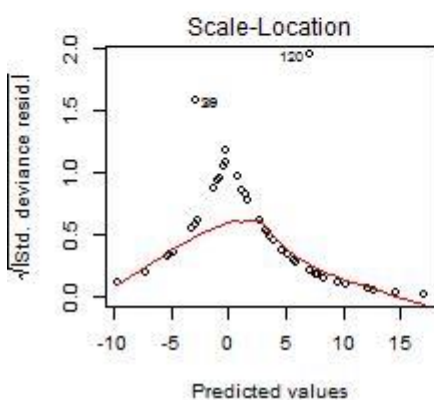
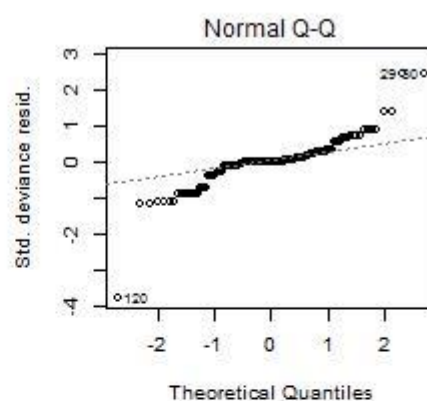
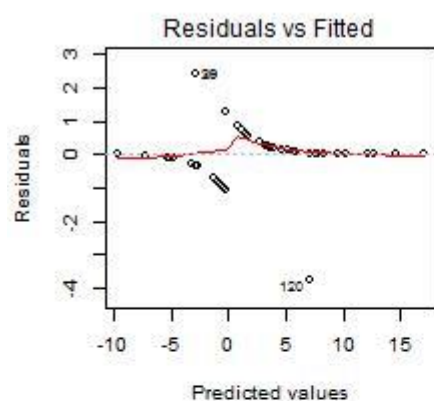


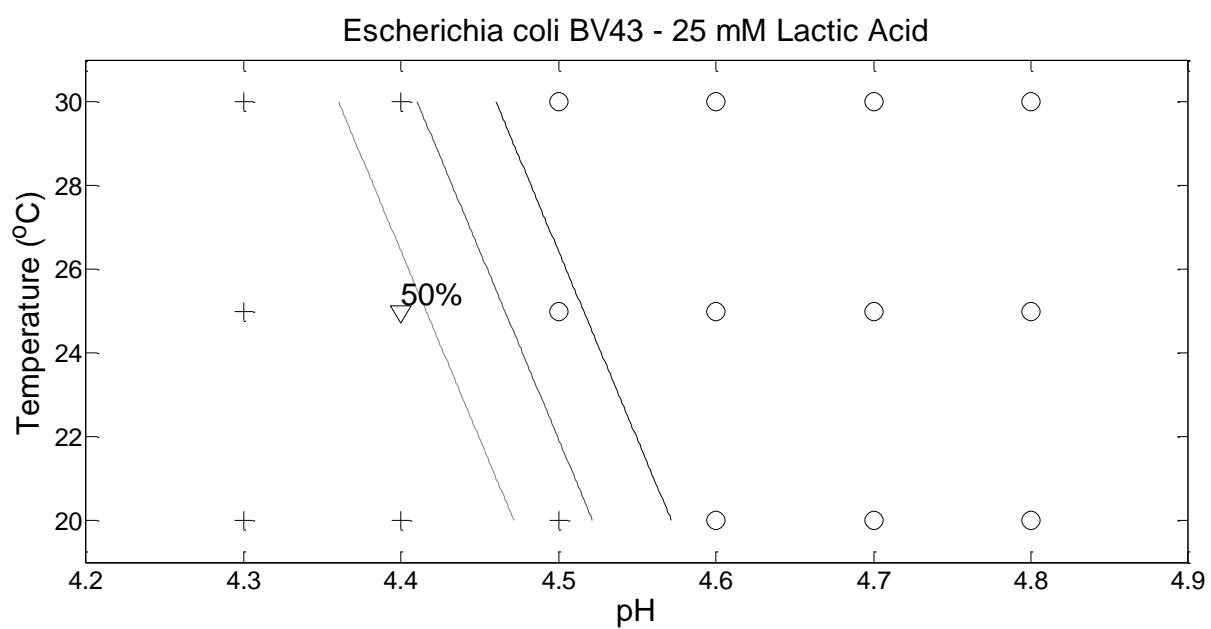
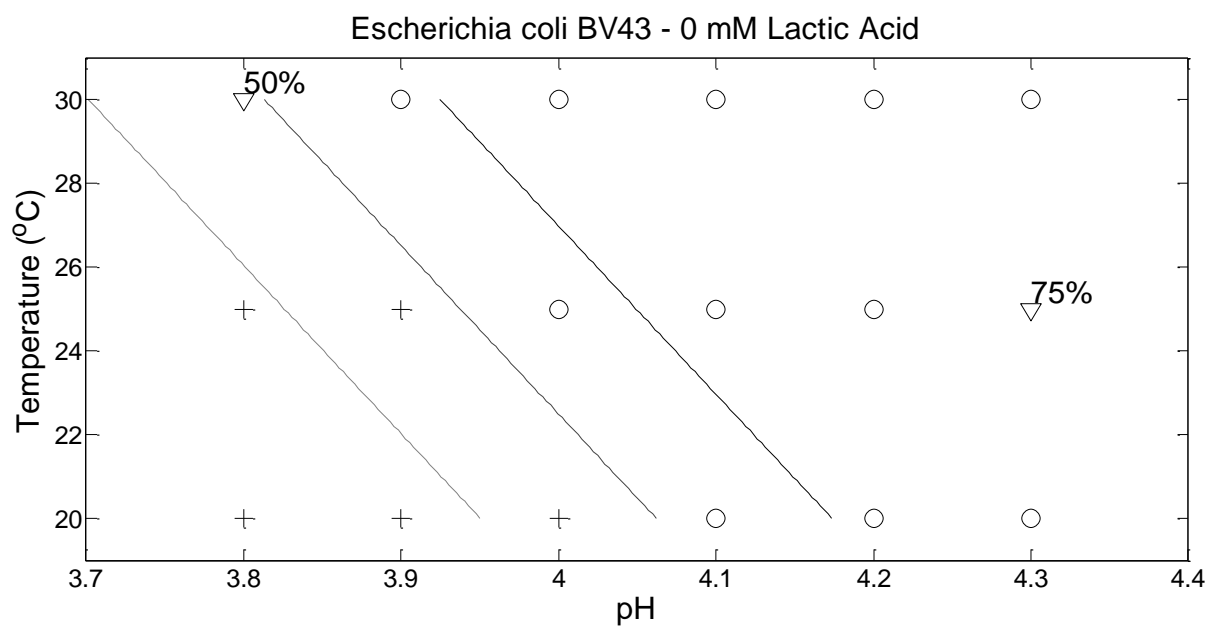
180. *E.coli* BV43 - isolated from horse feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-89.71	20.66	-4.34	0.00	-137.31	-55.36	0.00	0.00	0.00
pH	19.67	4.68	4.21	0.00	11.88	30.44	3.50E+08	1.45E+05	1.65E+13
LA	-4.75	1.99	-2.39	0.02	-9.44	-1.55	0.01	0.00	0.21
Temp	0.49	0.12	3.93	0.00	0.27	0.77	1.63	1.32	2.16
pH:LA	0.97	0.45	2.18	0.03	0.24	2.02	2.64	1.28	7.50

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	184.67	
pH	1	20.56	142	164.11	0.00
LA	1	76.71	141	87.40	0.00
Temp	1	25.30	140	62.10	0.00
pH:LA	1	7.74	139	54.37	0.01

<b>AIC</b>	64.37
<b>Likelihood Ratio</b>	3.35E-27
<b>Log-Likelihood</b>	-27.18



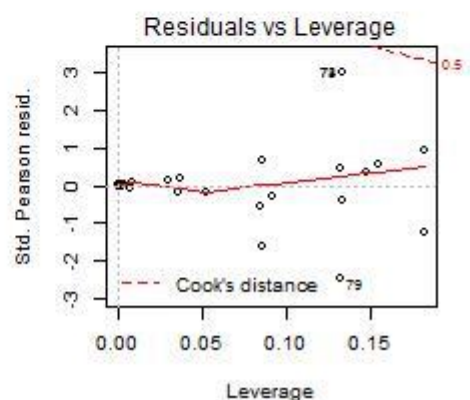
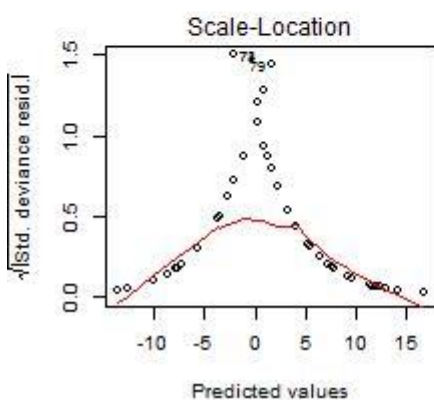
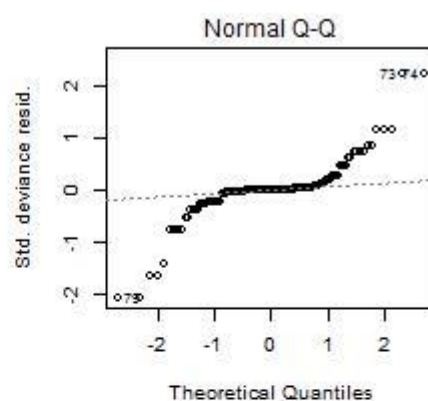
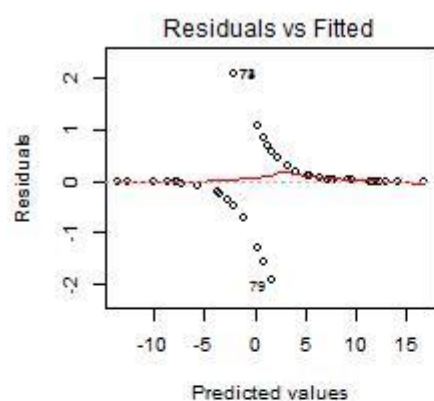


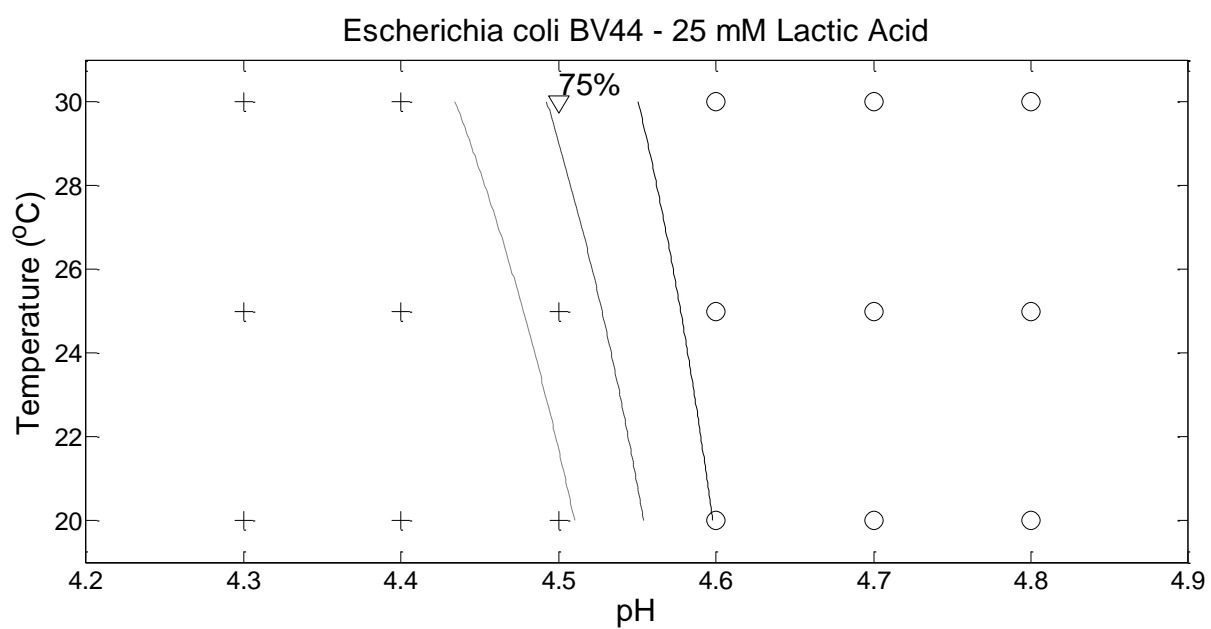
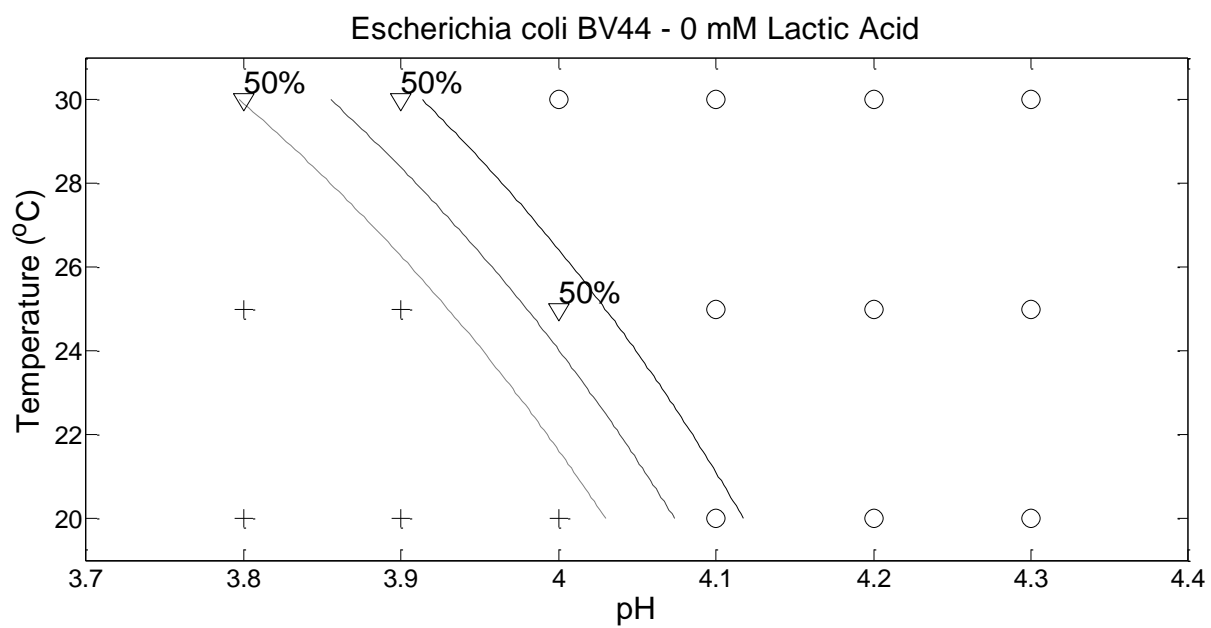
**181. *E.coli* BV44 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-321.25	88.91	-3.61	0.00	-551.31	-181.98	0.00	0.00	0.00
pH	74.81	20.69	3.62	0.00	42.38	128.45	3.09E+32	2.54E+18	6.09E+55
LA	-0.96	0.22	-4.32	0.00	-1.51	-0.61	0.38	0.22	0.54
Temp	5.85	2.23	2.62	0.01	2.18	11.49	347.73	8.82	9.82E+04
pH:Temp	-1.23	0.50	-2.46	0.01	-2.50	-0.40	0.29	0.08	0.67

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	194.91	
pH	1	19.99	142	174.91	0.00
LA	1	108.67	141	66.24	0.00
Temp	1	21.44	140	44.79	0.00
pH:Temp	1	9.49	139	35.30	0.00

<b>AIC</b>	45.30
<b>Likelihood Ratio</b>	1.78E-33
<b>Log-Likelihood</b>	-17.65





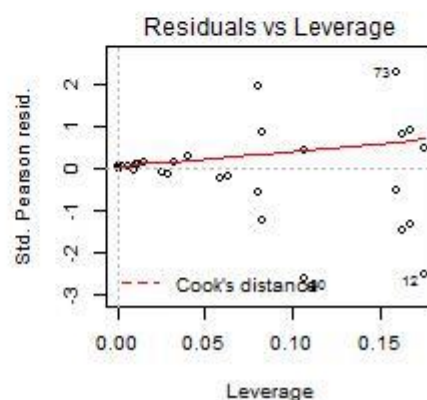
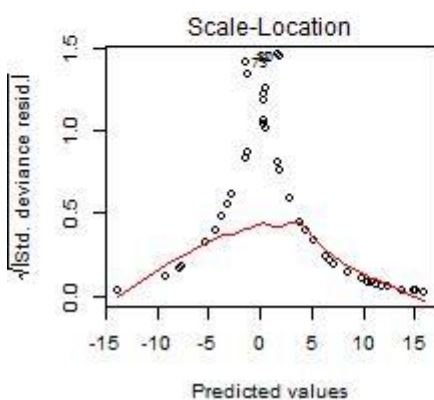
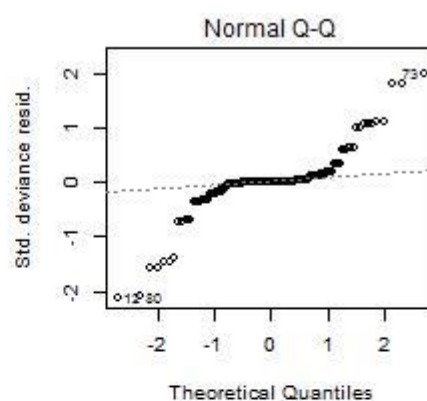
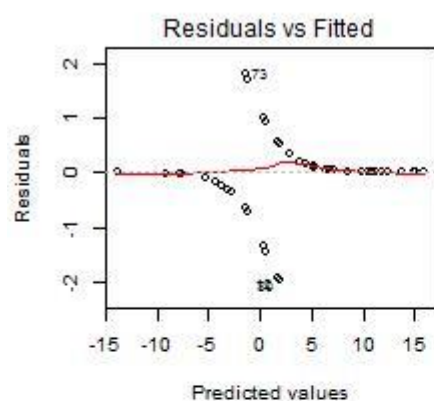


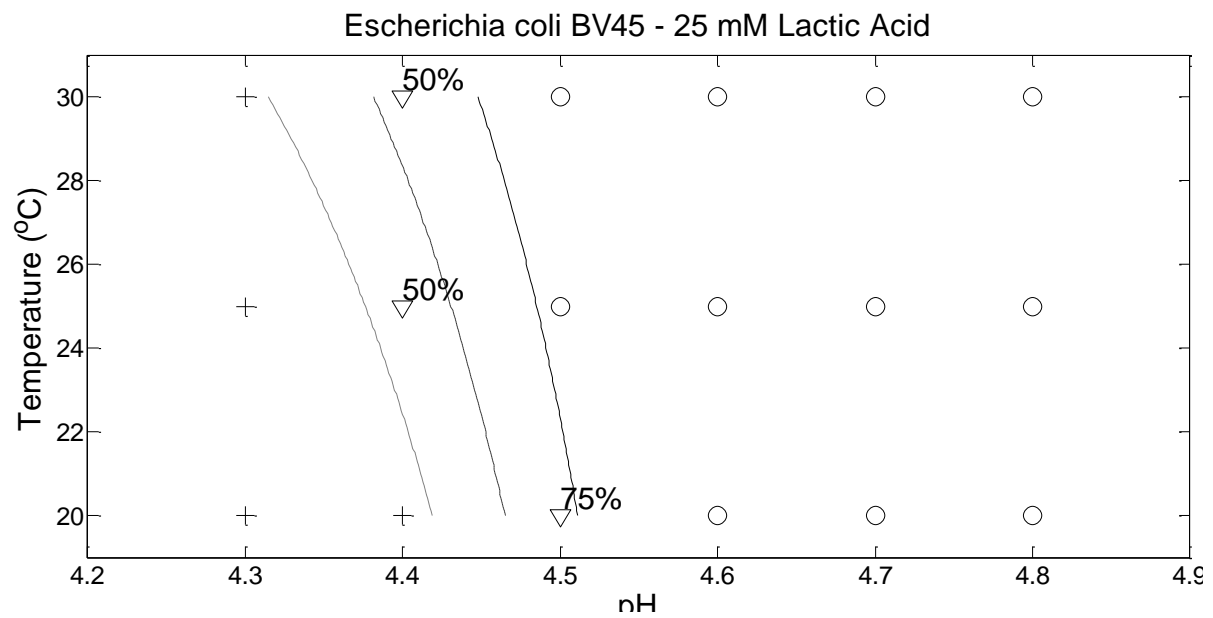
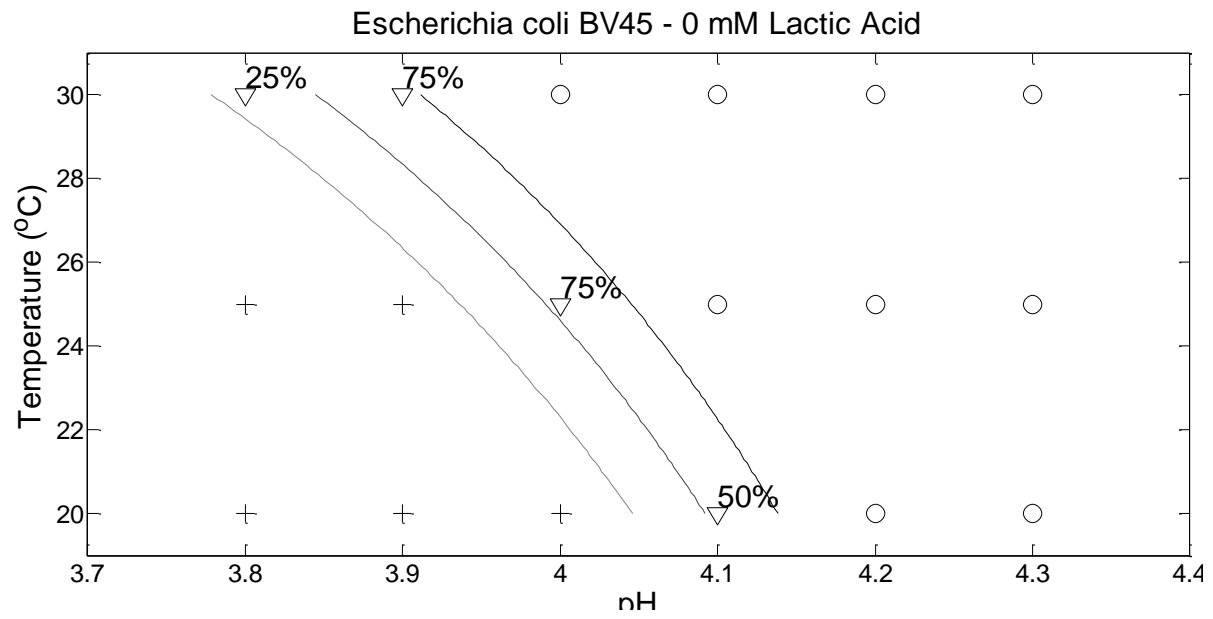
182. *E.coli* BV45 - isolated from horse feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-330.10	90.79	-3.64	0.00	-551.82	-183.47	0.00	0.00	0.00
pH	76.67	21.18	3.62	0.00	42.42	128.44	1.99E+33	2.65E+18	6.05E+55
LA	-0.71	0.17	-4.19	0.00	-1.13	-0.44	0.49	0.32	0.64
Temp	6.76	2.41	2.80	0.01	2.65	12.50	864.46	14.11	2.67E+05
pH:Temp	-1.45	0.55	-2.64	0.01	-2.76	-0.51	0.23	0.06	0.60

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	183.32	
pH	1	37.75	142	145.57	0.00
LA	1	69.53	141	76.05	0.00
Temp	1	26.10	140	49.94	0.00
pH:Temp	1	10.16	139	39.78	0.00

<b>AIC</b>	49.78
<b>Likelihood Ratio</b>	4.94E-30
<b>Log-Likelihood</b>	-19.89



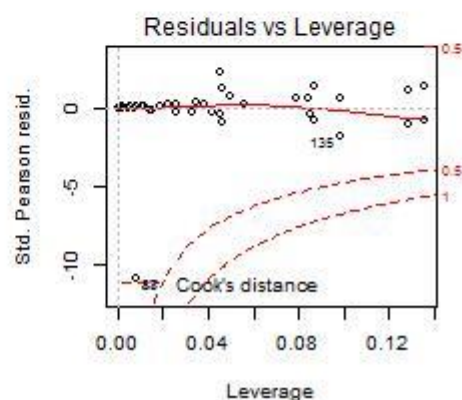
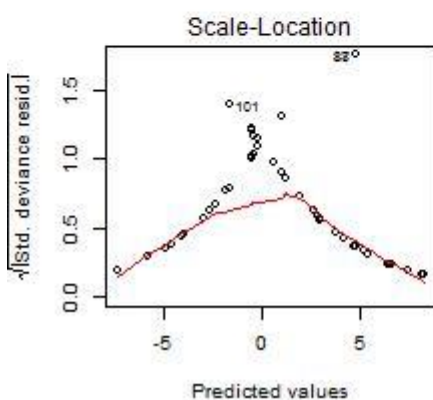
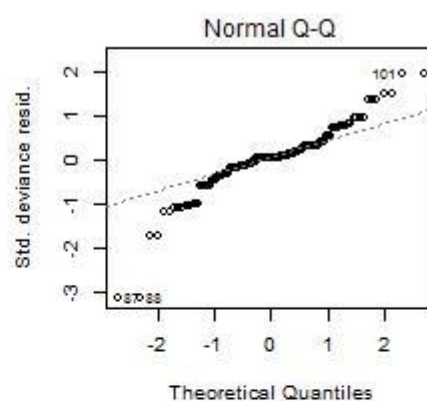
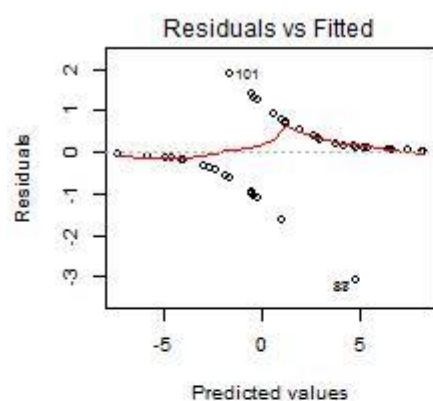


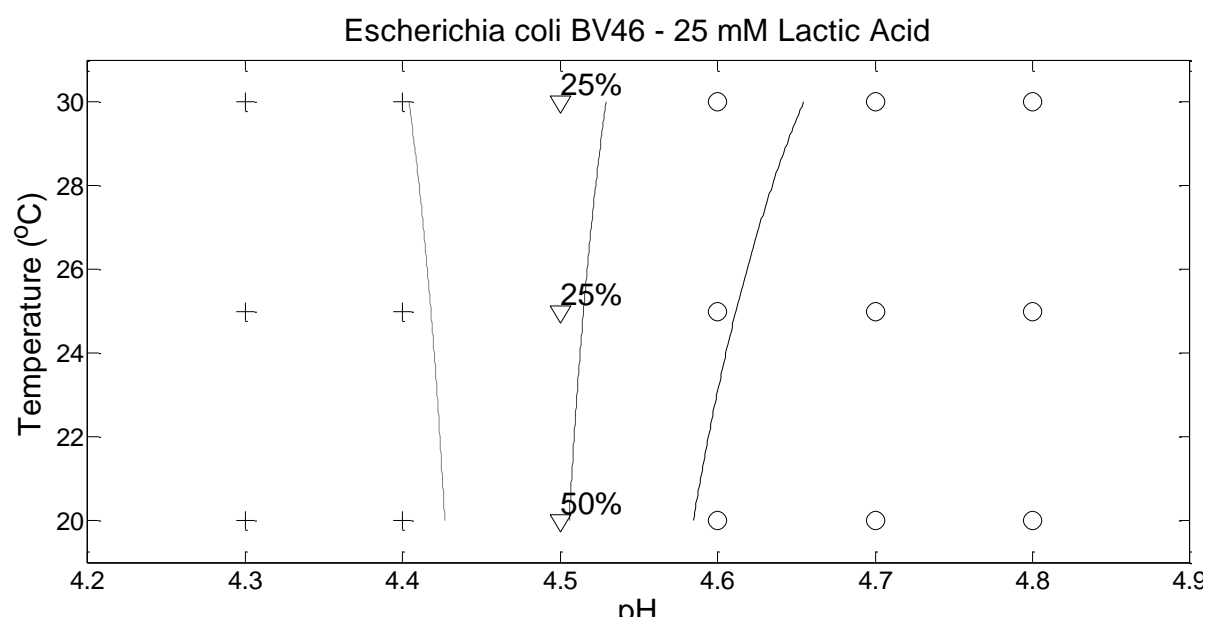
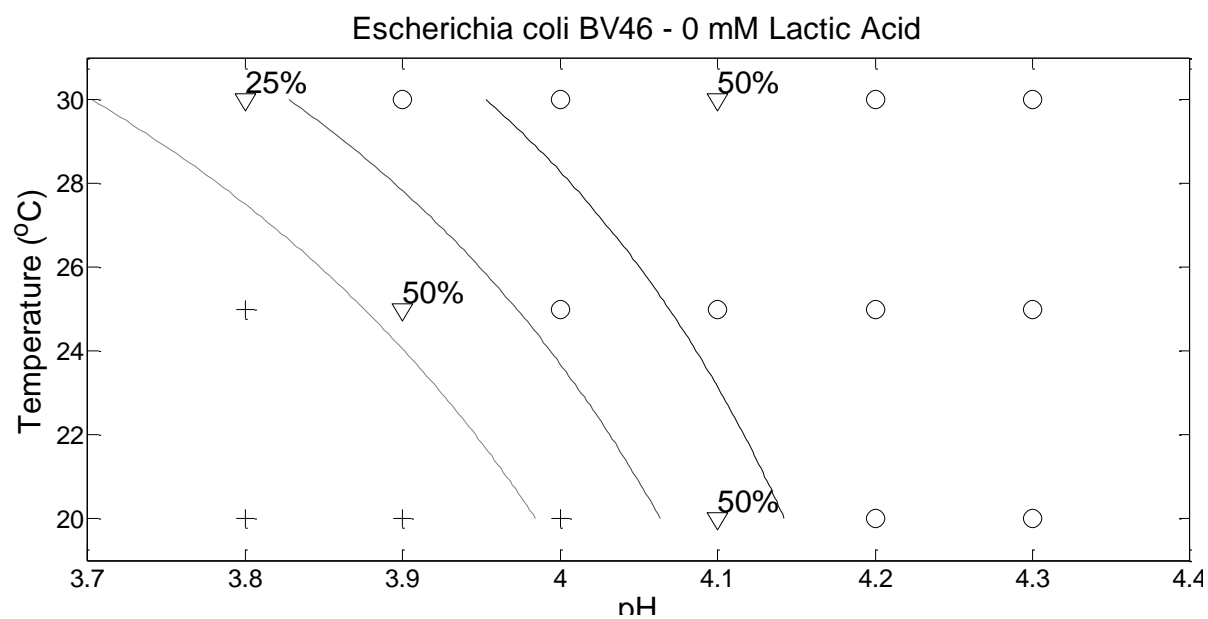
**183. *E.coli* BV46 - isolated from horse feces**

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-204.88	46.09	-4.45	0.00	-309.36	-125.68	0.00	0.00	0.00
pH	48.39	10.86	4.46	0.00	29.73	72.99	1.03E+21	8.18E+12	4.99E+31
LA	-0.49	0.09	-5.39	0.00	-0.70	-0.34	0.61	0.50	0.71
Temp	4.59	1.38	3.34	0.00	2.13	7.61	98.66	8.44	2010.32
pH:Temp	-1.03	0.32	-3.23	0.00	-1.72	-0.46	0.36	0.18	0.63

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	193.33	
pH	1	16.62	142	176.71	0.00
LA	1	87.33	141	89.38	0.00
Temp	1	7.23	140	82.14	0.01
pH:Temp	1	14.03	139	68.11	0.00

<b>AIC</b>	78.11
<b>Likelihood Ratio</b>	4.1E-26
<b>Log-Likelihood</b>	-34.06



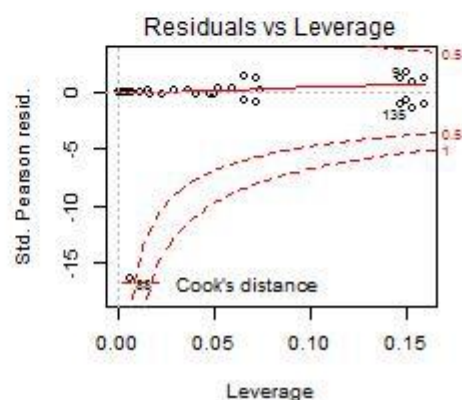
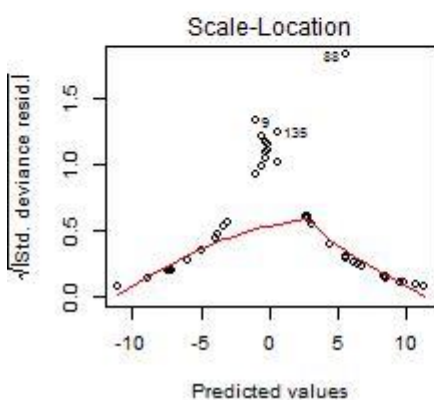
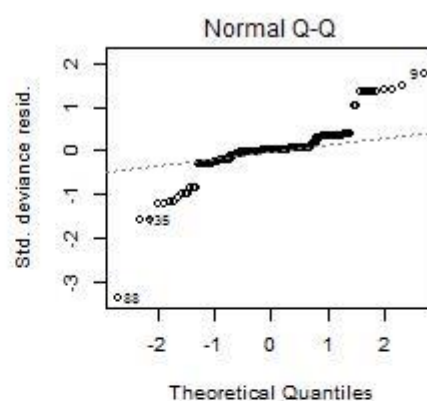
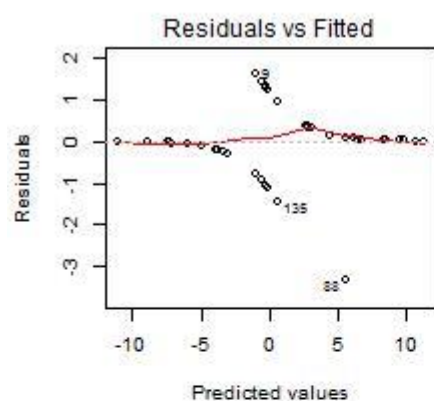


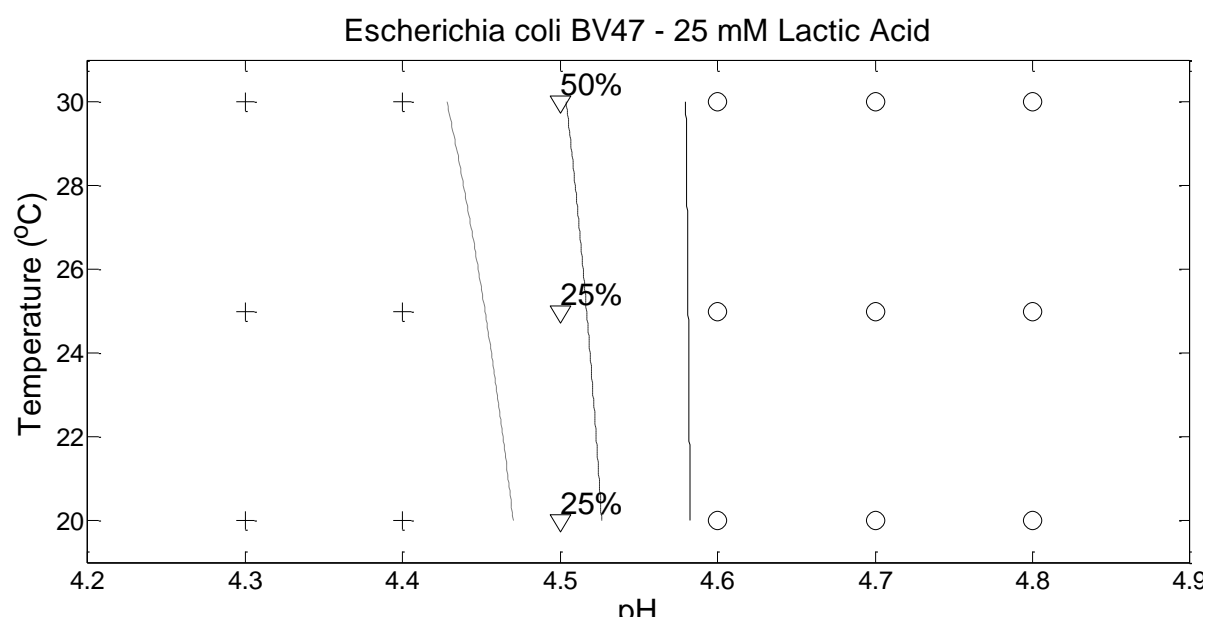
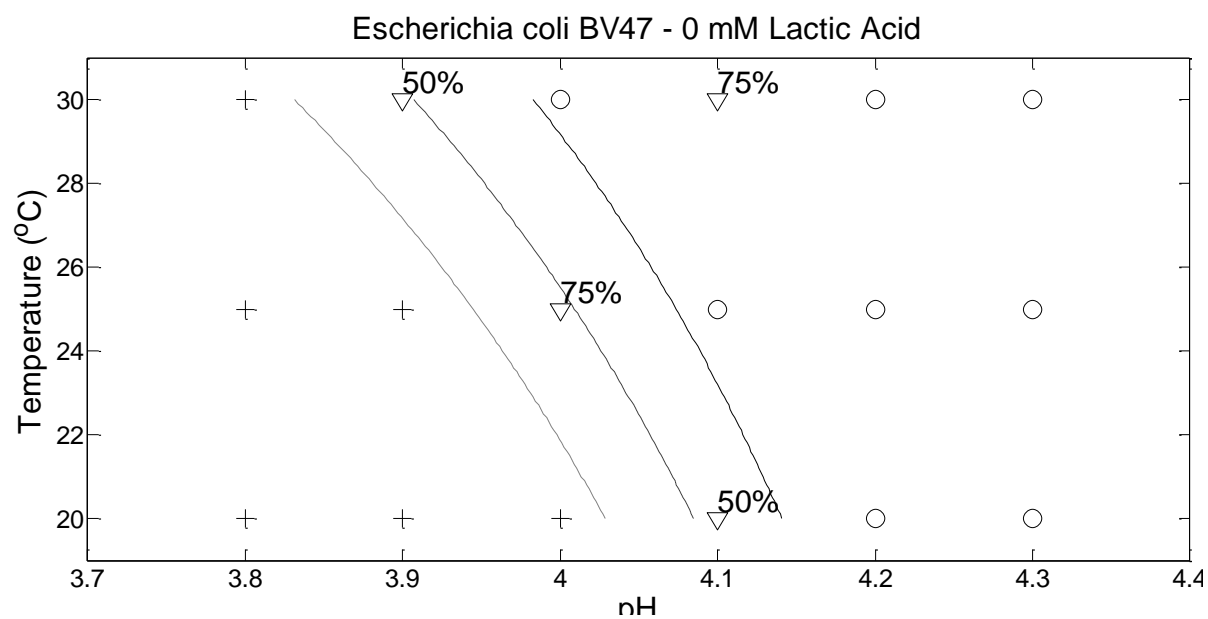
184. *E.coli* BV47 - isolated from horse feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-253.45	69.24	-3.66	0.00	-424.08	-141.53	0.00	0.00	0.00
pH	59.53	16.25	3.66	0.00	33.28	99.60	7.11E+25	2.85E+14	1.80E+43
LA	-0.69	0.15	-4.58	0.00	-1.07	-0.45	0.50	0.34	0.64
Temp	4.68	1.86	2.51	0.01	1.44	8.96	107.40	4.24	7792.13
pH:Temp	-1.02	0.43	-2.39	0.02	-1.99	-0.27	0.36	0.14	0.76

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.84	
pH	1	28.62	142	168.22	0.00
LA	1	102.58	141	65.64	0.00
Temp	1	10.38	140	55.26	0.00
pH:Temp	1	7.65	139	47.61	0.01

<b>AIC</b>	57.61
<b>Likelihood Ratio</b>	2.98E-31
<b>Log-Likelihood</b>	-23.81



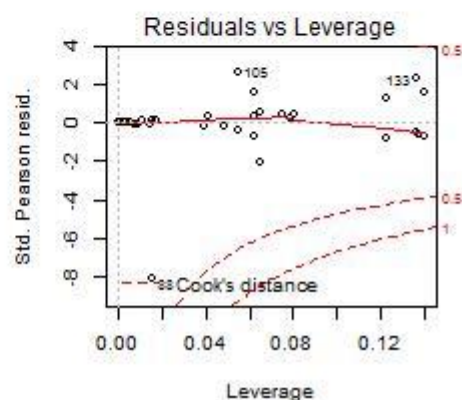
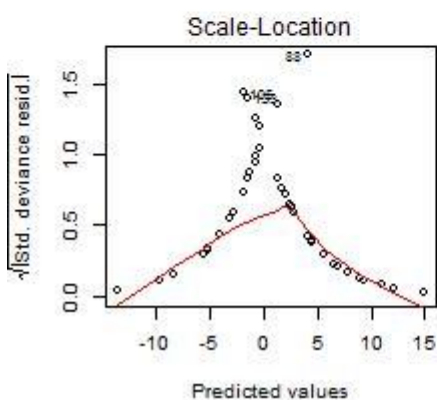
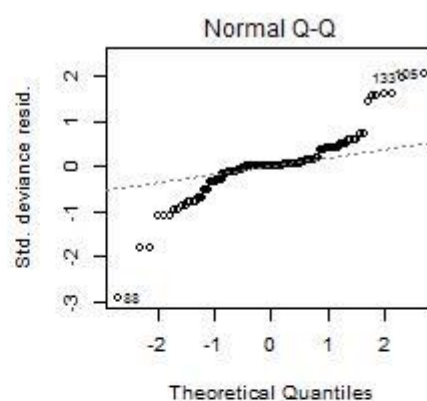
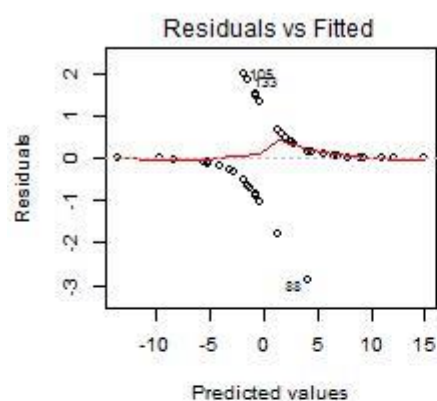


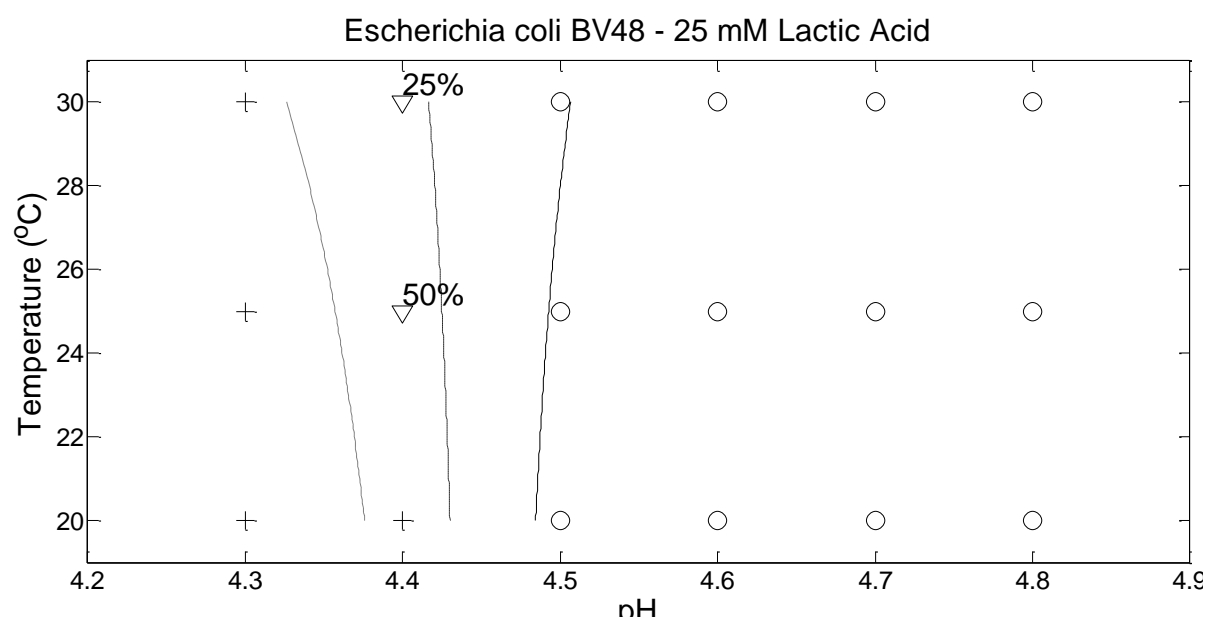
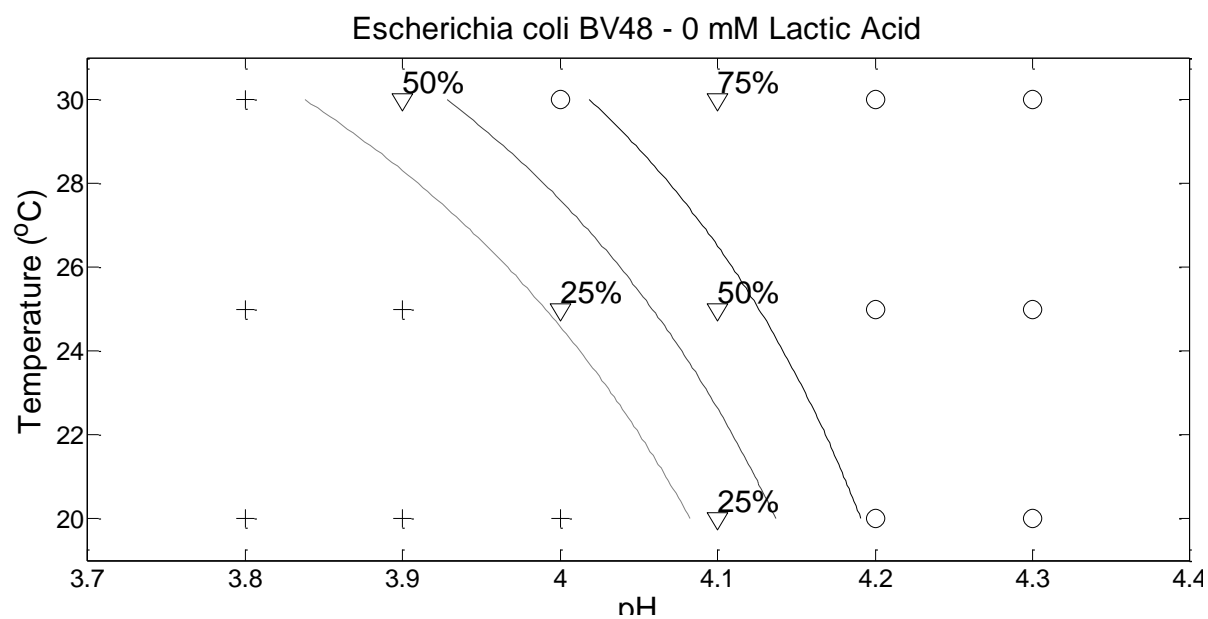
185. *E.coli* BV48 - isolated from rabbit feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-311.19	81.26	-3.83	0.00	-501.31	-175.41	0.00	0.00	0.00
pH	72.77	19.08	3.81	0.00	40.90	117.39	4.03E+31	5.78E+17	9.61E+50
LA	-0.47	0.10	-4.80	0.00	-0.70	-0.31	0.62	0.49	0.73
Temp	7.19	2.44	2.95	0.00	2.98	12.76	1324.60	19.72	3.50E+05
pH:Temp	-1.62	0.57	-2.86	0.00	-2.91	-0.64	0.20	0.05	0.53

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	192.46	
pH	1	56.77	142	135.69	0.00
LA	1	62.32	141	73.37	0.00
Temp	1	11.72	140	61.65	0.00
pH:Temp	1	11.95	139	49.70	0.00

<b>AIC</b>	59.70
<b>Likelihood Ratio</b>	7.26E-30
<b>Log-Likelihood</b>	-24.85





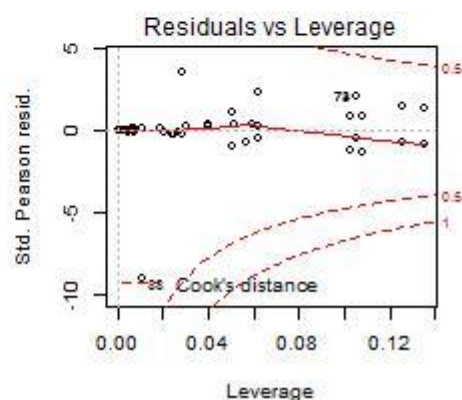
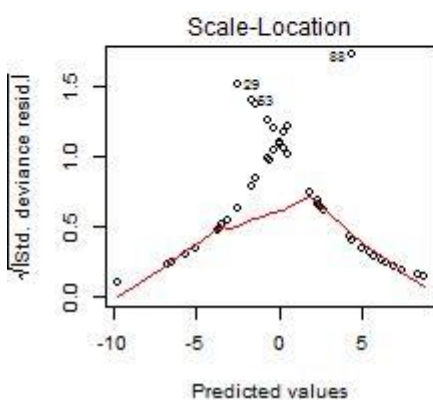
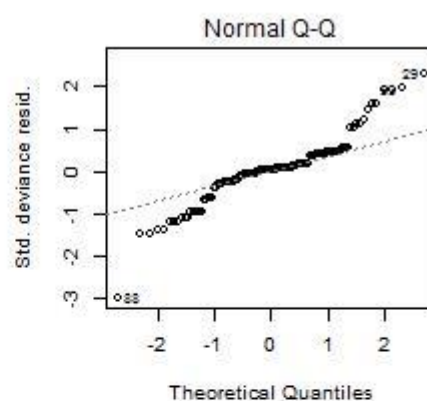
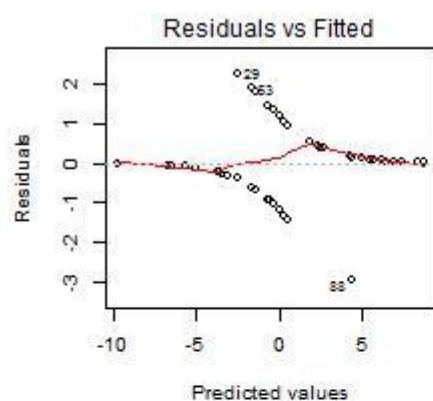


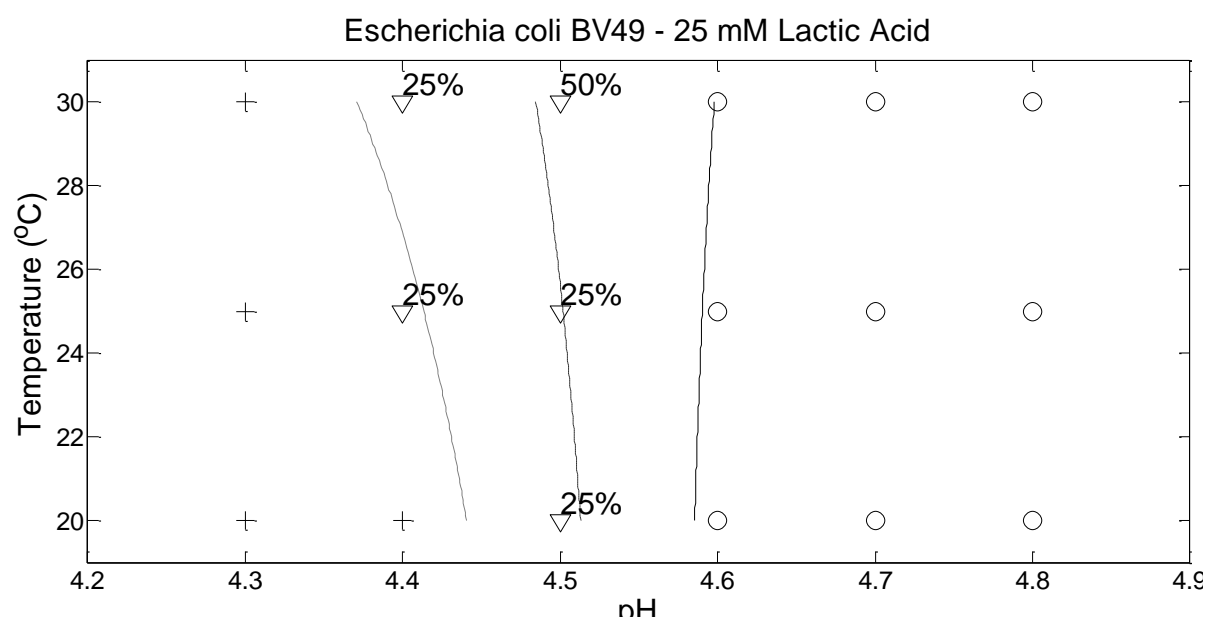
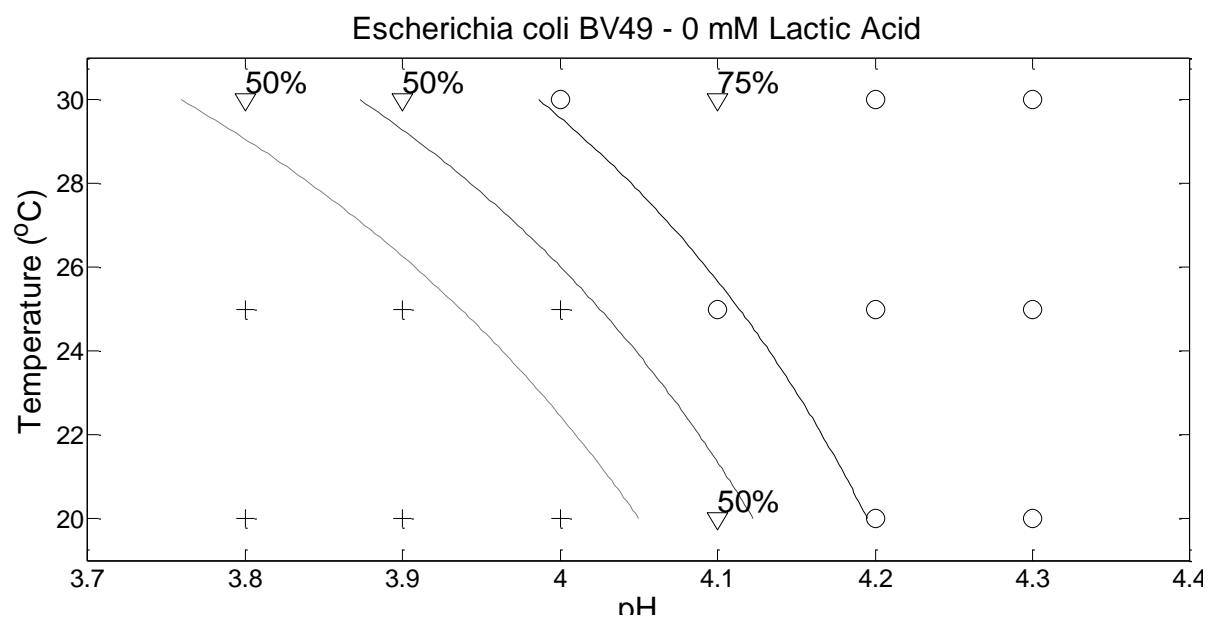
186. *E.coli* BV49 - isolated from rabbit feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-225.09	53.31	-4.22	0.00	-345.56	-133.81	0.00	0.00	0.00
pH	52.26	12.42	4.21	0.00	30.98	80.33	4.95E+22	2.85E+13	7.68E+34
LA	-0.47	0.09	-5.19	0.00	-0.69	-0.32	0.62	0.50	0.73
Temp	5.00	1.59	3.15	0.00	2.17	8.48	149.11	8.73	4813.57
pH:Temp	-1.10	0.37	-3.00	0.00	-1.89	-0.44	0.33	0.15	0.64

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	196.25	
pH	1	29.43	142	166.82	0.00
LA	1	76.73	141	90.10	0.00
Temp	1	14.18	140	75.92	0.00
pH:Temp	1	11.92	139	64.00	0.00

<b>AIC</b>	74.00
<b>Likelihood Ratio</b>	1.28E-27
<b>Log-Likelihood</b>	-32.00



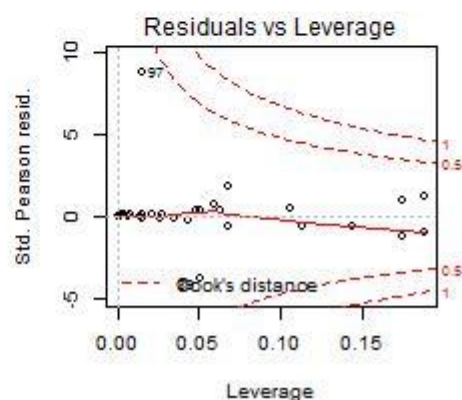
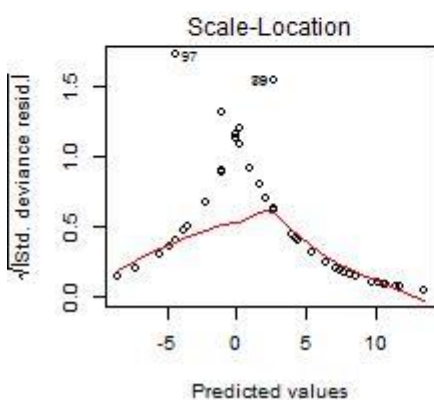
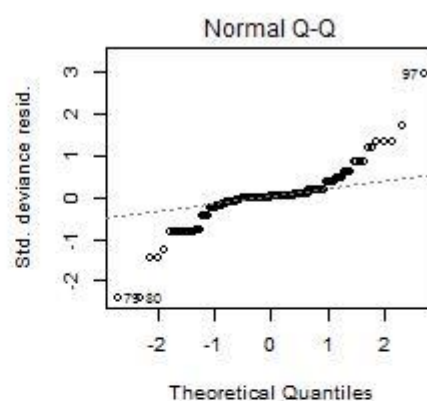
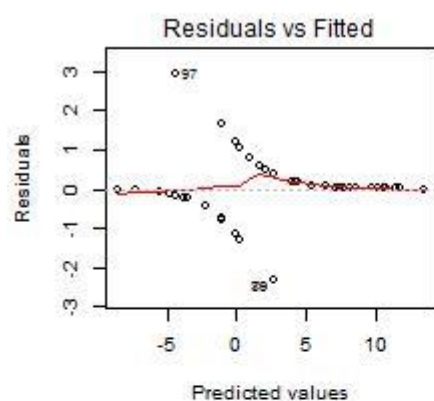


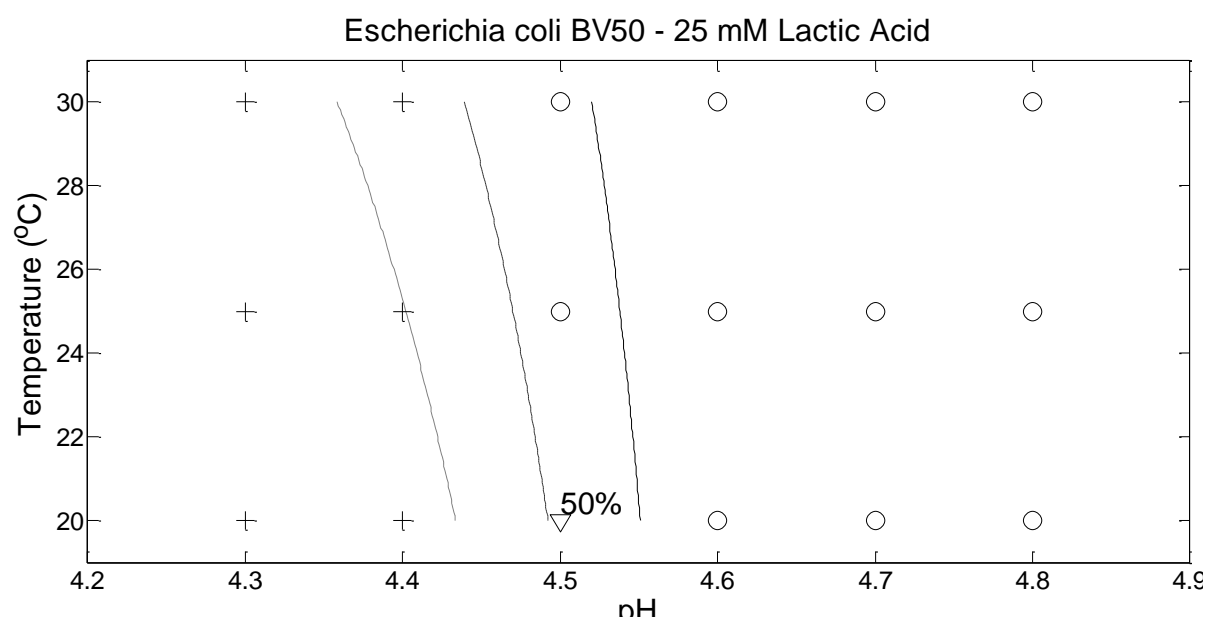
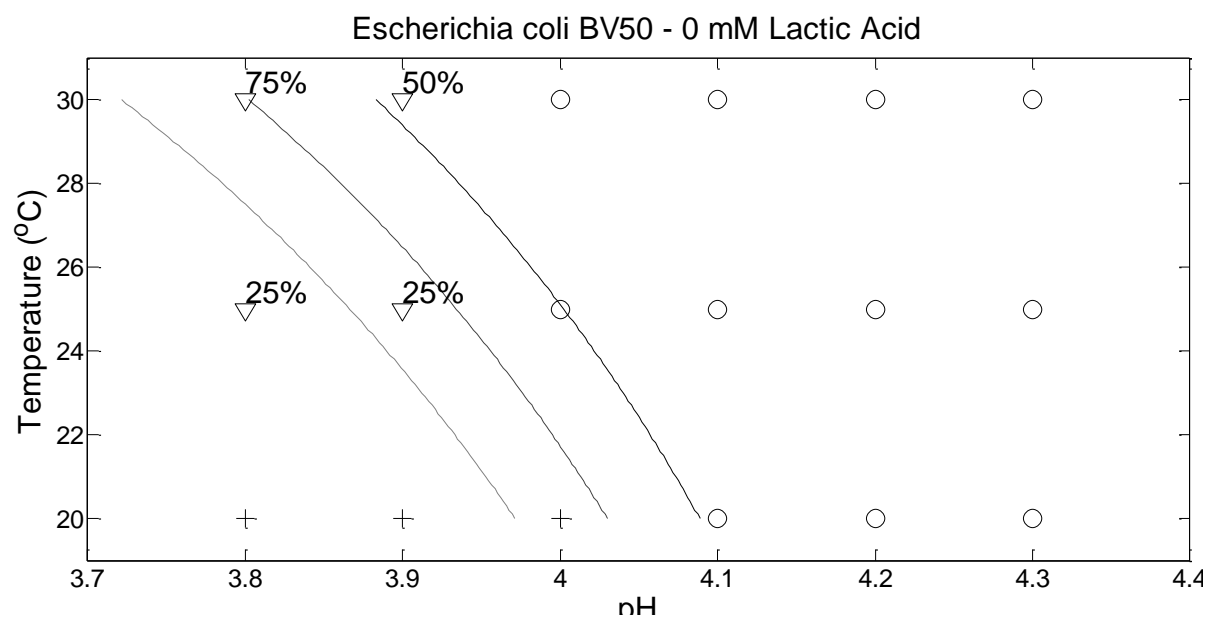
187. *E.coli* BV50 - isolated from goose feces

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-246.20	60.18	-4.09	0.00	-383.64	-144.40	0.00	0.00	0.00
pH	58.02	14.22	4.08	0.00	33.96	90.48	1.57E+25	5.62E+14	1.97E+39
LA	-0.69	0.15	-4.55	0.00	-1.06	-0.45	0.50	0.35	0.64
Temp	4.76	1.62	2.93	0.00	1.84	8.30	117.00	6.31	4.02E+03
pH:Temp	-1.03	0.37	-2.75	0.01	-1.84	-0.35	0.36	0.16	0.71

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	18.78	142	163.12	0.00
LA	1	88.28	141	74.85	0.00
Temp	1	17.85	140	57.00	0.00
pH:Temp	1	9.41	139	47.59	0.00

<b>AIC</b>	57.59
<b>Likelihood Ratio</b>	4.67E-28
<b>Log-Likelihood</b>	-23.80





188. *E.coli* BV52 - isolated from chopped biefsteak

	Estimate	Std. Error	z value	Pr(> z )	2.50%	97.50%	ODD	2.50%	97.50%
(Intercept)	-300.18	71.18	-4.22	0.00	-466.52	-181.57	0.00	0.00	0.00
pH	70.21	16.67	4.21	0.00	42.38	109.04	3.09E+30	2.53E+18	2.28E+47
LA	-0.72	0.16	-4.50	0.00	-1.10	-0.46	0.49	0.33	0.63
Temp	6.66	1.95	3.41	0.00	3.28	11.10	778.15	26.62	6.59E+04
pH:Temp	-1.45	0.44	-3.27	0.00	-2.45	-0.68	0.23	0.09	0.51

	Df	Deviance	Resid. Df	Resid. Dev	Pr(>Chi)
NULL			143	181.90	
pH	1	17.69	142	164.20	0.00
LA	1	81.65	141	82.55	0.00
Temp	1	22.98	140	59.57	0.00
pH:Temp	1	16.12	139	43.45	0.00

<b>AIC</b>	53.45
<b>Likelihood Ratio</b>	6.07E-29
<b>Log-Likelihood</b>	-21.73

